## INVENTORY OF MOTH FAUNA (LEPIDOPTERA: HETEROCERA) OF THE NORTHERN WESTERN GHATS, MAHARASHTRA, INDIA

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This paper presents an inventory of 418 species of moths (303 identified to species, 116 identified to genus) from 28 families belonging to 15 superfamilies, which were recorded by light trapping at eight sites in northern Western Ghats, India. Of the species recorded, with reference to their published distribution ranges, 11 species from five families appear to be new records for India, range extensions were noted for 130 species from 16 families, and 25 species from six families are endemic to India. The dominant families were Terbidae, Geometridae, Sphingidae and Crambidae. The highest number of moths were recorded from Malshej Ghat, Sanjay Gandhi National Park, Amboli, Koyna Wildlife Sanctuary. The highest species diversity was recorded from Sanjay Gandhi National Park. Amboli, Koyna Wildlife Sanctuary and Malshej Ghat showed a number of new records and seem to support interesting and endemic moth fauna. Amboli and Koyna Wildlife Sanctuary need further detailed sampling, as these areas have been largely unexplored for moths. Extensive sampling in Sanjay Gandhi National Park resulted in many range extensions for the northern Western Ghats; this indicates that if sampling is intensified additional records may also be generated at the other sites. It was concluded that the moth diversity of northern Western Ghats is similar to that of north-east India. Purther systematic and intensive surveys will yield more data.

Keywords: northern Western Ghats, moths, geographical range, Maharashtra, Amboli, Bheemashankar Wildife Sanctuary, Koyna, Mahabaleshwar, Malshej Ghat, Matheran, Phansad, Sanjay Gandhi National Park

## INTRODUCTION

The Western Ghats are a chain of hills stretching 1,440 km from the Tapit river north of Mumbai to the tip of the Indian peninsula at Kanyakumari. The habitat comprises of four tropical and subtropical moist broadleaf forests – the northern Western Ghats moist deciduous forest, northern Western Ghats montane rain forest, southern Western Ghats moist deciduous forest, and southern Western Ghats moist deciduous forest, and southern Western Ghats moist deciduous forest, and southern Western Ghats moitane rain forest. The region receives high rainfall, which occurs primarily during the south-west monsoon. The Western Ghats are important catchment areas for nearby cities, towns and villages. The lush green environment of the Western Ghats is suitable for a wide variety of organisms. In addition to endangered plants, a large number of animals species, over 330 vertebrate species and at least 37 butterfly species (Ranjit Daniels 2003), are endemic to the Western Ghats.

The northern Western Ghats (known locally and hereafter referred to as the Sahyadris) begin in southern Gujarat and run south through Maharashtra to Goa. This part of the range is generally drier than the southern part; at lower elevations it forms the Sahyadris moist deciduous forests. The cooler and wetter Sahyadris montane rain forests occur above 1,000 m elevation. In Maharashtra, there are excellent examples of the rich Sahyadris forests, but this forest is highly fragmented and is being increasingly degraded by human exploitation. The loss and fragmentation of tropical rainforest, which holds a major proportion of the world's biodiversity, remains a crucial global conservation problem (Whitmore 1997; Kapoor 2006). There is a paucity of research on invertebrates even though they make up a significant portion of the animal diversity in tropical rainforests (Klein 1989). Also, being sensitive to environmental change, invertebrates are important indicators to help understand the effects of processes such as habitat fragmentation (Jansen 1997; Miyashit et al. 1998).

Ranjit Daniels (2003) records several conservationoriented studies, mostly on plants and vertebrates, of this biodiversity hotspot. However, there is little information on invertebrates. The present preliminary study aims to make an inventory as a baseline for future studies on the moths of the Sahyadris, to enable informed conservation efforts and ecological studies of these insects in the Western Ghats. This moth survey is the first of its kind to be undertaken in the Sahyadris.

## Abbreviations used in the text and tables

AM = Amboli; BMNH = Natural History Museum, London (ex. British Museum (Natural History)); BNHS = Bombay Natural History Society; BWS = Bhimashankar Wildlife Sanctuary; DD = data deficient; EN = endemic; KWS = Koyna Wildlife Sanctuary; MB = Mahabaleshwar, MG = Malshej Ghat; MN = Matheran; NR = new record for India; PWS = Phansad Wildlife Sanctuary; RE = renge extension; SGNP = Sanjay Gandhi National Park; Nil: Nothing to mention.

## METHODOLOGY

In 2004-2008, a study on moths was initiated and the northern Western Chats (Sahyadris) were chosen as the study area for documenting the moth fauna. Eight sites were selected from the southern, central and northern parts of the Sahyadris on the basis of their habitat conditions, and uniqueness of their known biodiversity and bionomic status. The sites are listed in Table 1.

Moths were surveyed primarily by use of light traps, but also by day time field visits. The survey was conducted for a year and included the main moth flight season (May through October). Light traps were infrequently set up in the study areas either once a month/weekly in case of Malshej Ghat and Sanjay Gandhi National Park, wherein the light traps were operated for two consecutive nights and one night, respectively. The remaining locations were visited occasionally during the mothing season and the light traps were operated for two to four consecutive nights. This being a prelimary study the data collected was not systematic and uniform from all locations. This resulted in unequal recording

effort among different sites in the study area. The most intensively surveyed areas were Sanjay Gandhi National Park and Malshej Ghat, where substantial work was carried out. The light traps were operated during new moon nights in areas with minimum illumination for good catch. Altogether, 84 light traps were set up from 2004-2008.

The light trap comprised a 3 x 4 m white cloth stretched between two posts or trees, in front of which was hung a mercury vapour light bulb (Philips, B/73, ML 160 W) (William 1987). This set-up is more suited to tropical conditions than are box or tub style traps, such as the Robinson trap or Skinner trap (Waring 1994). A portable generator (Honda, GK 200, 2.28 KW) 3600 rpm) was used for power supply. The survey team camped in resorts with close proximity to forests; the light traps were operated overnight from 19:00 hrs to 05:00 hrs. The light traps were switched off at 05:00 hrs to allow the moths (and other insects) to disperse before sunrise, which usually happened after 05:30 hrs; this was to prevent their predation by birds (Longcore and Rich 2004).

Moths attracted to the light traps were photographed. Where necessary, a maximum of five voucher specimens per species were collected for identification. These specimens were killed in plastic containers with ethyl acetate vapour and pinned (Dickson 1992) the following day. All specimens are currently retained by the first author at the Conservation Education Centre of the Bombay Natural History Society, Mumbai. Besides data collected through light traps, photographic evidences have also been considered when listing the species.

Identification of moths and compilation of distribution ranges were carried out with the assistance of literature sources: Hampson (1892-96), Bell and Scott (1937), Holloway (1983-2005), Arora and Gupta (1979), Barlow and D'Abrera (1982), Peigler (1989), Robinson et al. (1994), Shubhalaxmi and Chaturvedi (1999), Kendrick (2002, 2004),

Table 1: Sites surveyed, their location, habitat

Site name	Latitude (North)	Longitude (East)	Elevation (in metres)	Habitat type
Sanjay Gandhi National Park	19° 18'-19° 21'	72° 53'-72° 58'	486	Semi-moist deciduous forest.
Malshej Ghat	19° 20'	73° 47'	500-900	High hilly region with stunted hill top vegetation and evergreen patches in deep ravines.
Bhimashankar Wildlife Sanctuary	19° 04'	73° 32'	~1,000	Southern tropical semi-evergreen forest.
Matheran	18° 57'-19° 00'	73° 15'-73° 17'	~750	Evergreen forest. Declared an ecosensitive zone.
Phansad Wildlife Sanctuary	18° 21'-18° 24'	72° 55'-72° 58'	100-200	Coastal forest ecosystem.
Mahabaleshwar	17° 55'	73° 55'	~1,350	Evergreen forest. Declared an ecosensitive zone.
Koyna Wildlife Sanctuary	17° 27'	73° 50'	600-1,100	Southern tropical evergreen forests and southern mois mixed deciduous forest.
Amboli	15° 57'	74° 00'	~750	Evergreen forest.

Pittaway and Kitching (2004), Kononenko and Pinratana (2005), Smetacek (2008) and personal communications from LJ. Kitching, based on the BMNH collection. Web-based resources used to aid identification included Herbison-Evans and Crossley (n.d.), Beccaloni et al. (n.d.), Beck and Kitching (n.d.), Savela (1999), Anonymous (2003), Zwier (2004), and Korea Institute of Science and Technology Information (2007). Taxonomic order follows Holloway et al. (1983-2000), with Noctuoidea updated to follow Lafontaine and Fibiger (2006), and Lafontaine and Schmidt (2010).

As identification of all moth species was not possible due to lack of literature and genitalia dissection facility, some were identified to genus level. Species identified to genus and superficially similar to a particular species, though identification is unconfirmed, have been referred to in the text as genus c.f. species.

## RESULTS

The study recorded 418 moth taxa (303 identified to species and 116 identified to genus level) from 28 moth families belonging to 15 superfamilies. Of these, 11 species from five families are new records for India, of which maximum are from Family Erebidae (n=4), and from Malshej Ghat (n=4). The study area details are given in Table 1.

There were 130 species from 16 families for which range extensions were recorded. Maximum range extensions were recorded from Family Erebidae (n = 47) and Malshej Ghat (n = 89). Altogether, 25 species from six families recorded were endemic to India. Maximum endemic species were recorded from Family Erebidae (n = 9) and Malshej Ghat (n = 16). Among the moth families, the highest species richness was recorded for Family Erebidae (n = 128), followed by Geometridae (n = 65) and Crambidae (n = 47) (see Table 2). Among the study sites, highest species richness was recorded for Sanjay Gandhi National Park (n = 226 in

Table 2: List of Recorded Moth Families and Species

	Families	Number of Species
1.	Hepialidae	1
2.	Adelidae	1
3.	Tineidae	1
4.	Oecophoridae	2
5.	Gelechiidae	1
6.	Gracillariidae	1
7.	Lecithoceridae	1
8.	Sesiidae	1
9.	Cossidae	2
10.	Limacodidae	19
11.	Zygaenidae	2
12.	Torticidae	1
13.	Crambidae	42
14.	Pyralidae	6
15.	Thyrididae	6
16.	Pterophoridae	3
17.	Sphingidae	45
18.	Bombycidae	3
19.	Eupterotidae	4
20.	Saturniidae	5
21.	Lasiocampidae	5
22.	Uraniidae	8
23.	Geometridae	65
24.	Notodontidae	17
25.	Erebidae	128
26.	Euteliidae	4
27.	Nolidae	9
28.	Noctuidae	35
	Total	418

26 families) followed by Bheemashankar Wildlife Sanctuary ( $n=211\,$  in 16 families) and Malshej Ghat ( $n=239\,$  in 15 families).

Details of individual taxa recorded are given in Table 4
Despite unequal sampling we have presented a list of all sites
(Table 3). Though incomplete, this provisional list is valuable
as it provides baseline data on moths of the northern Western
Ghats (Table 3).

Table 3: Summary of Moth Fauna by Site

Locations	Number of Nights when Light Traps were operated	No. of Species (No. of families)	Number of New Records	Number of Endemic Species	Number of Range Extensions
Mahabaleshwar	2	8 (4)	0	1	2
Matheran	2	12 (4)	0	1	1
Phansad WS	4	30 (11)	1	0	5
Amboli	4	83 (10)	3	1	27
Koyna WS	4	126 (14)	4	3	35
Bheemashankar WS	8	211 (16)	1	4	39
Sanjay Gandhi NP	48	226 (26)	1	14	70
Malshej Ghat	12	239 (15)	4	16	89

Table 4: Status and Distribution of Moths Recorded from northern Western Ghats

HEPALOIDEA	No.	Таха	Distribution	Collection Sites	Range Notes
MCDPARRIDDEA	_	HEPIALOIDEA (i) Hepialidae, Subfamily Unassigned 1. Phassus signifer Walker, 1856	India (West Bengal, east to north-west Himalaya), Nepal, Bangladesh, Myanmar,	SGNP, MG	꿆
TINEOIDEA  (ii) Tredate  (iii) Tredate  (iv) Ecosage.  GELECHIODEA  (iv) Carestinate Dichorneridinae  (iv) Carestinae  (iv) C	=	INCURVARIOIDEA (ii) Adelidae, Adelinae 2. Adela sp.	nyama, moresa, maryaa DD	SGNP	8
GELECHIODEA (N) Decophoridaes (N) Consolidaes (N) Generalization (Maley is a Consolidation of Maley is a Consolida	=	TINECIDEA (III) Tineidae 3. Edosa sp.	QQ	SGNP	90
Signifungood sp.         DD         BWS           (v) Genetritides, Dichomeridinae         DD         BWS           (v) Genetritides, Dichomeridinae         DD         BWS           (v) Technomid sp.         BWS         BWS           (vi) Sesildes, Faranthreninae         DD         SGNP           QSSOIDEA         BATANTHREN Sp.         BWS           (v) Cossidae, Gossidae, Gos	≥	GELECHIOIDEA (iv) Oecophoridae 4. Tonica niviferana (Walker, 1864) Stathmondinae	India, Sri Lanka, Vietnam, China	SGNP, PWS	ı
(vi) Grazillandias P.         DD         BWS           7. Calopiña sp.         DD         BWS           7. Calopiña sp.         DD         SGNP           8. Leithocerdeae         SESIOIDEA         SGNP           8. Leithocerdeae         BD         SGNP           8. Leithocerdeae         DD         SGNP           (Vi) Lestiface paranthreniae         DD         SGNP           (Vi) Sealdae, Paranthrenine         DD         SGNP           (V) Cossidae, Coasinee         DD         SGNP           (N) Cossidae, Coasinee         NA Fourtes parsona (Le Guillou, 1841)         India (Himachal Pradeah, Sikkim, West Bengal), Sri Lanka, Indonesia, China, Majaysia, New Guinea         SGNP           10. Xyloutes parsona (Le Guillou, 1841)         India (Sikkim, Himachal Pradeah), Bangladeah, Sri Lanka, Indonesia, China, Majaysia, Indonesia, China, Majaysia, Indonesia         MG, BWS           11. Zeazaria midrae Videiker, 1869         India (Sikkim, Mamjur, southern India), Vietnam, China, Malaysia, Indonesia         MG           12. Altha midrae Videiker, 1869         India (Sikkim, Mamjur, southern India), Vietnam, China, Malaysia, Indonesia         MG           14. Carria pulligonis Swirthoe, 1869         India (Sikkim, Mamjur, Route)         SGNP           15. Carria pulligonis Swirthoe, 1869         India (Mamtadak, Arasia)         MG <t< td=""><td></td><td>5. Stathmopoda sp. (v) Gelechiidae, Dichomeridinae</td><td>QQ</td><td>BWS</td><td>QQ</td></t<>		5. Stathmopoda sp. (v) Gelechiidae, Dichomeridinae	QQ	BWS	QQ
T. Catappfiles P.  (vi) Lectificocridae  (vii) Lectificocridae  (vii) Lectificocridae  (vii) Lectificocridae  (vii) Lectificocridae  (vii) Sesidae, Paranthreninae  (vii) Sesidae, Paranthreninae  (vii) Sesidae, Paranthreninae  (vii) Sesidae, Paranthreninae  (vii) Lectificocridae  (viii) Lectificocridae  (vi		6. Dichomeris sp. (vi) Gracillariidae	QQ	BWS	00
8. Lectitocera sp. SESIOIDEA (vi) Sealdee, Paranthreniaee (vi) Sealdee, Cossinae (vi) Sealdee, Cossinae (vo) Sealdee, Cossinae (vo) Cossidae, Cossidae		7. Caloptilla sp. (vii) Lecithoceridae	a	SGNP	DD
(vi) Seatides, Coasinae (vi) Seatides, Coasinae (vi) Seatides, Coasinae (vi) Seatides, Coasinae (vi) Coasides, Coasides (vi) Coasides (vi) Coasides (vi) Coasides (vii) Coasides (vi) Coasides (vi) Coasides (vi) Coasides (vii) Coasides (vii) Coasid		8. Lecithocera sp.	QQ	SGNP	00
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2 Courantee  11. Zeuzen and de Henrich-Schäffer, 1854  12. Affirm in version de Mission and de M	5	COSSOIDEA (ix) Cossidae, Cossinae 10 Xidarine narcona (i.e. Giillion, 1841)	India (Lilmacha) Dradach Cilibim What Boson) Cel Lada Indonesis Phina	OMG OM	u d
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7YGARVIOLPA (N. Limacodiae Limecodiae 12. Athra nives Walker, 1882 india (Sikkim, Marjour, southern India), Sri Lanka 13. Athra nives Walker, 1882 india (Sikkim, Marjour, southern India), Vietnam, China, Malaysia, Indonesia 14. Canta pulligonia Swinthoe, 1889 india (Sikkim, Marjour) 15. Canta spin Canta spin China, Marjour, Sri Lanka, Indonesia, Malaysia, Indonesia, Marjour, Sri Lanka, Indonesia, Marjour, Sri Lanka, Indonesia, Malaysia (Borneo) 16. Cheoprenella apparata Moroe, 1879 india (Karrataka, Kerala) 17. Mirosa nivaha Nooe, 1879 india (Karrataka, Kerala) 18. Parasa boolovi(Walker, 1865) india, Marjandari Okalaya, Javar, China, Talawa) 19. Parasa boolovi(Walker, 1865) india, Marjour, Javar, China, Talawa) 19. Parasa boolovi(Walker, 1865) india, Marjour, Javar, China, Talawa) 19. Parasa boolovi(Walker, 1865) india, Marjour, Javar, China, Talawa) 19. Parasa boolovi(Walker, 1865)		11. Zeuzera indica Herrich-Schäffer, 1854	India (Sikkim, Himachal Pradesh), Bangiadesh, Sri Lanka, Nepal, Myanmar, New Guinea, Australia	SGNP	끮
Affina invest Walker, 1862 Carlei bullinea Walker, 1863 Carlei bullinea Walker, 1863 Carlei pulligonis Swinhoe, 1889 India (Skikm, Manipur) Mirosa ronzegese Walker, 1855 India (Nagaland, southern India), Sri Lanka, Indonesia, Malaysia (Borneo) Mirosa ronzegese Walker, 1855 India (Nagaland, southern India), Sri Lanka, Indonesia, Malaysia (Borneo) Mirosa ronzegese Walker, 1855 India (Nagaland, southern India), Sri Lanka, Indonesia, Malaysia (Borneo) Mirosa ronzegese Walker, 1855 India, Malaysia, Malaysia (Borneo) Mirosa ronzegese Walker, 1855 India, Malaysia, Marcha Chang, Ana Chang	5	ZYGAENOIDEA (x) Limacodidae, Limacodinae			
Carais go.  OD (Richard Special Morce, 1879) India (Stikkin, Manjun) India (Manjara India (Manjara) India (Man			India (SIKkim, Uharkhand, southern India), Sri Lanka India (Sikkim, Maripur, southern India), Vietnam, China, Malaysia, Indonesia India (Kanahaa)	MG MG	# # Z
Chrotometer apprata holose, 1879 intale (Stoken, Mantake, Kentels) Michael Mic			GO Commence of the Commence of	MG	8
Narosa conspensa Walker, 1855 India (Nagaland, southern India), Sri Lanka, Indonesia, Malaysia (Borneo) MG Parasa bicolor/Walker, 1855) India, Myanmar to Malaya, Java, China, Taiwan AM			India (Sikkim, Manipur) India (Karnataka, Kerala)	MG SGNP MG	2 Z
			India (Nagaland, southern India), Sri Lanka, Indonesia, Malaysia (Borneo) India, Myanmar to Malaya, Java, China, Taiwan	MG	₩,

Table 4: Status and Distribution of Moths Recorded from northern Western Ghats (contd.)

No.	Taxa		Distribution	Collection Sites I	Range Note
	20.	Parasa dharma Moore, 1859	India (Sikkim), Myanmar, Indonesia	SGNP	RE
	21.		India (Himachal Pradesh, Meghalaya, Tamil Nadu), Nepal	SGNP, BWS	RE
	22.		Throughout India and Sri Lanka	KWS, SGNP, BWS	
	23.		India (Sikkim), Pakistan, Nepal, Bhutan, China, Vietnam, Indonesia	MG	RE
		Parasa c.f. dharma	DD	SGNP	DD
	25.		DD	PWS	DD
	26.		DD	KWS, SGNP.	DU
	20.	Рпосооенна sp.	DO		DD
		O	RD.	BWS, PWS	
	27.		DD	MG	DD
	28.		India (Sikkim, Uttarakhand), Sri Lanka, Bangladesh, Myanmar	SGNP	RE
	29.		India (Meghalaya, Sikkim), China, Myanmar, Malaysia	MG, AM	RE
	30.		DD	MG	DD
	(xi) Zyga	enidae, Chalcosiinae		MG	DD
	31.	Eterusia aedea (Clerck, 1759)	India (Sikkim, Assam, Meghalaya, Nagaland), China, Nepal, Bangladesh, Sri Lanka, Thailand, Japan	SGNP, MG, AM	RE
	32.	Artona sp.	DD	SGNP	DD
/III		COIDEA: tricidae, Tortricinae			
			DD	COND	DD.
	33.	Archips c.f. machlopis	50	SGNP	DD
X	Spile	ambidae omelinae			
	34.	Aetholix flavibasalis (Guenée, 1854)	India (Maharashtra, Gujarat, Andaman Is.), Sri Lanka, Myanmar, China, Indonesia, Malaysia (Borneo), Australia, Hawaii Is., Africa	KWS, SGNP, BWS	-
	35.	Aetholix sp.	DD	BWS	DD
	36.	Agathodes ostentalis (Geyer, 1837)	India (Uttarakhand, Sikkim, Khasi Hills, Nagaland), Sri Lanka, Myanmar, Indonesia	SGNP, MG, BWS,	-
				KWS	
	37.		India (Sikkim, Meghalaya, Nagaland), Sri Lanka, Myanmar, Indonesia	KWS	RE
	38.	Arthroschista hilaralis (Walker, 1859)	India (N.W. and E. Himalayas), Sri Lanka, Myanmar, Indonesia, Malaysia (Borneo), Australia	SGNP	RE
	39.	Botyodes asialis Guenée, 1854	India, Pakistan (Baluchistan), Sri Lanka, Myanmar, Nepal, China, Indonesia and Malaysia (Bomeo), Thailand, Vietnam, Singapore, Philippines, New Guinea, Australia, Africa	SGNP, MG, BWS, KWS, AM	-
	40.	Cnaphalocrocis poeyalis (Boisduval, 1833)	India, Sri Lanka, Myanmar, Thailand, China, Japan, Indonesia, Australia, Africa, Mauritius, La Réunion	KWS	_
	41.	Conogethes punctiferalis (Guenée, 1854)	India, China, Thailand, Australia	KWS	-
	42	Cydalima laticostalis (Guenée, 1854)	India (Andaman Is.), Sri Lanka, China, Myanmar, Thailand	SGNP, MG, BWS, KWS	RE
	43.	Daulia affralis Walker 1859	India (Tamil Nadu), Bhutan, Myanmar, China, Indonesia, Malaysia (Borneo)	KWS, SGNP, AM	DD
	44.	Diaphania indica (Saunders, 1851)	India, Nepal, China, Indo-Australia, Japan, Korea. Saudi Arabia, Central America, Affica, Madagascar	SGNP, BWS, KWS	
	45.	Dichocrocis nilusalis Walker, 1859	India, Sri Lanka, Indonesia, Malaysia (Borneo)	MG, KWS	
	40.	Dichoclodis filiusalis vvalket, 1009	inua, on Laina, indonesia, walaysia (Donneo)	IVIO, NVO	-

Table 4: Status and Distribution of Moths Recorded from northern Western Ghats (contd.)

ON	Таха		Distribution	Collection Sites	Range Notes
	46.	Filodes fulvidorsalis Hubner, 1832 Glyphodes bicolor (Swainson, 1821)	india (Sikkim), Sri Lanka, China, Vistnam, Indonesia Africa, India (Sikkim), Sri Lanka, Nepal, China, Myanmar, Thailand, Vistnam, Philipoines, Janan, Australia	MG, AM KWS	##
	48.	Glyphodes bivitralis Guenée, 1854	India (Wazakhard, Sikkim, Assam, western and southern india, Andaman Is.), SGNIP, Sit Lanka, Manaman China, Indonesia, Malaysia (Bomeo), Thailand, Singapore, Philippines, Austrials, America	SGNP, MG, KWS lippines,	뿐
	49.	Glyphodes c.f. actorionalls Glyphodes caesalls Walker, 1859	DD India (Sikkin), Sh'Lanka, Nopal, Myanmar, Thailand, Vietnam, Malaya, China, Shronore, India Philindines	KWS	뿐뿐
	51.	Glyphodes stolalis Guenée, 1854	ficials (Sikkim, Assam), Sif Larlas, Nepal, China, Myanmar, Thailand, Vietnam, India (Sikkim, Assam), Sif Larlas, Nepal, China, Mayasial (Borneo), Philippines, New Guinea, Australia, Produnesia, Mayasia (Borneo), Philippines, New Guinea, Australia, Parana New Guinea, Fili	MG, SGNP	#
	52.	Haritalodes derogata (Fabricius, 1775)	India (Andaman & Nicobar Is.), Nepal, Malaysia, Singapore, Indonesia (Baij) China, Japan, New Guinea, Australia, Papua New Guinea, Samoa, Fili, West Africa.	SGNP	#
	53.	Herpetogramma c.f. luctuosalis	DO		문
	55.	Lamprosema commixta Butler, 1879 Lygropia quatemalis Zeller, 1852	India (Assam), Sri Lanka, Vietnam, Nepal, China, Indonesia, Japan India, Sri Lanka, Myanmar, China, W. Malaysia, Australia Africa	BWS	뿐 ,
	56.	Maruca vitrafa (Fabricius, 1767)	India, Pakitan, Sit Lanka, Bangladesh, Japan, China (Indialnin Hong Kong), Talwan, Cambodi, Lacs, Mannar, Thalland, Vietnam, Indonesia, Philippines, Matayasi, Singapote, Korea, Austrilla, Tisamaria, New Calman, New Caledouria, New Zalando, Malabnesia, Micronesia, Polynesia, South and Central America, Africa, Ampiè, Madanossan,	SGNP, MG, KWS, AM	1
	57.	Nausinos geometralis (Guenée, 1854)	ındia, Sri Lanka, Nepal, China, Taiwan, Myanmar, Indonesia, Philippines, Australia, Africa	KWS, AM	
	59.58	Omiodes analis Snellen, 1880 Omiodes diemenalis (Guenée, 1854)	India, China, Taiwan, Indonesia. India (Andaman & Nicobariis.) Sri Lanka, Thailand, Seycheles, Vietnam, Singapore, Nagal, China, Java, Indonesia, Mayasia (Bomeo, Philippines, Filj, Tonna Auteralia Manuari Tahli South America North Artica	KWS	, H
	.09	Pagyda salvalis Walker, 1859	India (Sikkim), Sri Lanka, Myanmar, China, Thailand, Indonesia, Philippines, Japan, New Guinea, Australia	KWS	먪
		Parotis marginata (Hampson, 1893) Pleuroptya iopasalis (Walker, 1859) Pyonarmon c.f. alboflavalis	India (Sikkim, West Bengal, Nicobar Is.), Sri Lanka, Papua New Guinea India, Sri Lanka, China, Indonesia, Malaysia (Borneo), Philippines. D	KWS, AM KWS KWS	RE DD
	9, 39	Pygospila tyres (Cramer, 1780) Sameodes cancellaiis (Zeller, 1852)	India (Tamil Nadu), Sri Larka, Myanmar, Nepal, China, Thailand, Vietnam, Indonesia and Malaysia (Borneo), Philippines, Japan, New Guinea, Australia, Africa Indo, Sri Larka, Nepal, Myanmar, Thailand, Indo-china, China, Indonesia, Australia, America	SGNP, MG, BWS, KWS, AM KWS	뿐 .
	.066	Spoladea recurvalis (Fabricius, 1775)	India, Sri Lanka, Nepal, China, Myanmar, Thailand, Malaysia, Australia, North and South America, Africa, southern Europe	SGNP, MG, KWS, AM	ı
	. 29	Terastia egialealis Walker, 1859	India, Nepal, China, Thailand, Malaysia	SGNP, MG, KWS, AM	,
	.88 Pvrs	68. Tyspanodes c.f. linealis Pyraustinae	QQ	SGNP	00
	69	Hyalobathra sp.	00	KWS	ı

Table 4: Status and Distribution of Moths Recorded from northern Western Ghats (contd.)

No.	Таха		Distribution	Collection Sites	Range Notes
	Cran 70.	Crambinae 70. Chilo suppressalis (Walker, 1863)	India (Puniab, Assam, Kolkata). Sri Lanka, China, Taiwan, Korea, Janan.	SGNP	ü
			Malaysia, Hawaii, Spain	Sivia	! 8
	72.	Glaucocharis sp. 1	00	SGNP	88
	Acei	Acentropinae [= Nymphulinae]			
	5; ¥;	Eristena c.f. postalbalis Paracymoriza vagalis (Walker, 1865)	DD India (Punjab, Tamil Nadu), Sri Lanka, Nepal, China, Myanmar, Thailand,	KWS	8 8
	75.	Parapoynx diminutalis Snellen, 1880	indonesia, Malaysia (Borneo) Europe, Africa, India (Punjab, Maharashtra), Sri Lanka, China, Indonesia, North America	SGNP	1
	(xiv) Py Pyra	(xiv) Pyralidae Pyralinae			
	76.	Bostra indicator Walker, 1863	Nepal, China, Japan	KWS	EN.
	77.	Ocrasa sp. Tamraca torridalis (Lederer, 1863)	DD India (N.W. Himalayas Nagaland, Maharashtra, Gujerat, Kamataka), Sri Lanka,	KWS	
			Myanmar, Java, Indonesia, China		
	79.	Vitessa suradeva Moore, 1860	India (Sikkim, Assam, hills of southern India, Andaman Is.), Sri Lanka, Myanmar, Indonesia. Malaysia (Borneo)	AM	끭
	80.	Zitha tactilis Swinhoe, 1890	India (Sikkim, Tamii Nadu), Myanmar	KWS	끭
	Epip	Epipaschiinae 81 Salmasn	CC	SGNP	G
×	THYRIDOIDEA	OIDEA			
	(xv) Thy	xv) Thyrididae, Striglininae	india Australia Morth and South America Brazil	dNGS	-1
	9 88 8	Collinsa sp.	nicia, Ausualia, Motul and South Attention, Clazal	SGNP	18
	26.	Striglina scitaria (Walker, 1862)	India, Sri Lanka, Myanmar, Indonesia, Malaysia (Borneo), Taiwan, Japan, Naw Gritnea Australia, Panua Naw Gritnea, Fili	KWS, SGNP, PWS	
	85.	Striglina sp. 1	OQ OC	BWS	88
	87.	Striglina sp. 2 Striglina sp. 3	200	PWS	88
₹	PTEROF (xvi) Pte.	(xvi) Pterophoridae	}		ě
	8 8 8	Emmelina sp. Megalorrhipida sp. Hellinsia sp.	000	SGNP, KWS PWS SGNP	888
₹	BOMBY (xvii) Spi	BOMBYCOIDEA (xvii) Sphingidae			
	<b>S</b> me 91.	Smerinthinae, Smerinthini 91. Marumba speciabilis (Butler, 1875)	India (eastem & westem Himalaya northem India, Maharashtra, Uttarakhland, West Bengal, Meghalayal, Nepal, China, Thailand, Laos, Vernam, Malaysia, Indonesia	SGNP, MG	1

Table 4: Status and Distribution of Moths Recorded from northern Western Ghats (contd.)

No.	Taxa		Distribution	Collection Sites	Range Notes
	95.	Marumba dyras (Walker, 1856)	Indie (Jammu & Kashmir, Himachial Pradoeth, Utterathland, Sikkim, Assam, Meghalaye, Authorathla Pradoeth, Nagland, Mahipur, Macrom Kannatea, Oujerat, Mahamsahira, Andeman & Wichoer Islands), Stil Lanka, Negal, Britlan, Beadlocketh, Myanmar, Thailand, S. Othine, Philippines, Indonesia, Mahamah Zasoon, Transland, S. Othine, Philippines, Indonesia,	SGNP, MG, BWS, KWS	1
	94.	Marumba poliotis Hempson, 1907 Marumba indicus (Walker, 1856)	merayas (Johnsy), amelayas (Johnsy), amelayas (Maharashtra, southern India) india (Maharashtra, Kamataka), Sri Lanka	SGNP, MG, BWS, SGNP, MG, BWS, KWS	N I
	95.	Marumba nympha Rothschild & Jordan, 1903 India (Maharashtra, southern India) Sahaspas banaihoa fi hamwalii	i India (Maharashita, southern India) India Musemar China	MB	EN, RE
	97.	Leucophiebia lineata Westwood, 1847	india, Sri Lanka, Nepal, Thailand, Cambodia, Vietnam, Malaysia, Indonesia,	WG WG	끮
	98	Clanis phalaris (Cramer, 1777)	rniippinea, Lyrinia, lawinea Yangorian, Maranakhai Pradesh, Nagaland, Manipur, Meghalaya, Mizoran, Mahanshira, Kamataka, Uftarakhand, Madiyye Pradesh, Tamif Nadu, Ambana Dratasa, Domintana, Maranakhand, Madiyye Pradesh, Tamif Nadu,	SGNP, MG	1
	99.	Polyptychus dentatus (Cramer, 1777)	Antana Tracesh, Totalaheri Yandalian a Noobal is.), Sil Larak myainnar Pakistan, india (Uttarakhand, Sikkim, West Bengal, Mahareshtra), Sil Lanka, Bhuran	SGNP	ı
	Smer 100. 101.	Smerinthinae, Ambulycini 100. Amplypterus panopus (Cramer, 1779) 101. Ambulyx substrigilis (Jordan, 1923)	india, Sri Lanka, Myanmar, China, Malaysia, Philippines, Indonesia India (southern India)	AM BWS, MG	EN, RE
	Sphir 102.	Sphinginae, Sphingini 102. Psilogramma menephron (Cramer, 1780)	India (Janmu & Kashmir, Himachal Pradesh, Uttarakhand, Sikktin, Assam, Methabaya, Arunachal Pradesh, Nagaland, Manipur, Mizoran, Gdiarat, Andaman is.), Sri Lanka, Nepal, China, Myanmar, Thalland, Vietnam, Indonesia,	SGNP, MG, BWS	뿚
	103.	Psilogramma increta (Walker, [1865])	Philippines, Australia India (Jamma & Kashmir, Uttarakhand, Maharashtra), Sri Lanka, Myanmar, Nepal, China, Thaliand Vielnam, Malavsia Korsa Talvan, Janan	SGNP, MG	ı
	104.	Agnosia omeus (Westwood, 1847)	India (Jammu & Kashmir, Himachal Pradesh, Ukrankhand, Madhya Pradesh, Utlar Pradesh, Bihar, Chatlagan, Rajakhan, Guljard, Maharashtra, Goa, Tami Marin Karnajska andhra Pradesh, Silianka	SGNP, MG, KWS	1
	105.	Agnosia microta (Hampson, 1907)	India (Madriya Pradesh, Uttar pradesh, Birar, Chatitogarh, Rajasthan, Markhard, Gujarat, Maharnshtra, Tamil Nadu, Karnetaka, Andhra Pradesh), Shi Lanka	SGNP, KWS	1
	Sph	Sphinginae, Acherontini	NA LI DOME LAN		
	108	106. Agrius convolvuli (Linnaeus, 1758)	Indie (Jammu & Kabrimi, Himabala) Pradesh, Uttarakharu, Sikdin, Assam, Meghalaya, Arunachal Pradesh, Negland, Menpuri, Mitzoram, Maharashtra, Gujara, Andaman Is), Pakshan, Sri Lamka, Inyamnar, China, Malaysia, indonesia, Mangolia, Siberfa, Japan, Affica, Australia, the Pecific and Southern Eurone	SGNP, MG, BWS, KWS, MB, MN	1
	107.	Acherontia lachesis Fabricius, 1798	Indis (Jammu & Kashmir, Himahal Pradosh, Ultrackland, Sikidin, Assam, Meghalay, Atunadal Pradosh, Nagland, Mahori Mizhonan Maharashtra, Olajari, Goal, Tamil Nadu, Kamataka, Andhira Pradosh, Andhira Mai, Andhira Sil, Andhira Si	SGNP, MG, BWS, KWS, MB, MN	ı

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats (contd.)

So.	Таха		Distribution	Collection Sites	Range Notes
	108.	Acheronila styx (Westwood, 1848)	India (Jammu & Kashmir, Himachal Pradesh, Utinachkand, Sikkim, Assam, Meghaleya, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Maharashtra, Odjarat, Andraman R), Si Tuaka, Pakksan, China, Nepal, Myamuar, Bangadesh, Indonesa, Saudi Araba, Irao Tian	SGNP, MG, BWS, KWS	1
	109.	109. Dolbina inexacta (Walker, 1856)	India (W.& E. Himalaya, Tamil Nadu, Kamataka, Andhra Pradesh), China, Malaysia, Bhutan, Thailand, Vietnam	SGNP, MG, BWS	끮
	110.	110. Meganoton rubescens (Butler, 1876)	India (Sikkim, Andaman Is.), Thailand, Indonesia, Maiaysia (Borneo), Philippines, Australia	SGNP, MG, BWS, MN	끮
	Maci	Macrogiossinae, Dilophonotini			
	Ŧ.	111. Cephonodes sp.	india (Jammu & Kashmir, Himachal Pradssh, Utarakhand, Sikkim, Assam, Meprakaya, Arunadar Pradssh, Nagaland, Manipur, Mizoram, Maharashtra, Goa, Gujarak, Andrra Pradssh, Tamil Nadu, Kamataka), Africa, Sri Larika, Bhutan, Nepal, Eash Asia, South-Eash Asia, Atusralia	SGNP, PWS	ı
	Mac	Macroglossinae, Macroglossini, Macrodlossina			
	212	112. Neogureica hyas (Walker, 1856)	India (Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Assam, Medpaley, Arunacha Pradesh, Nagaland, Manpur, Mixona Pradesh, Uttar Pradesh, Charlesgam, Rajashan, Mahnya Prodesh, Marthya Pradesh, Tamil Nadu, Kamataka), Nepal, Bhutan, Nammar, Bangladesh, Trailland, Viennan, Japan, Malaysia, Indonesia Simatn, Javah Philinphosa.	SGNP, MG	1
	113.	113. Nephele hespera (Fabricius, 1775)	india (Jamnu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Assam, Meghalaya, Authradela Pradesh, Nagaladu, Mindhuri, Mizonan Madhya Pradesh, Tamil Madu, Andra Radesh, Pondicherny, Kamataka, Gujaral, Maltanashra, Andrama R. (Victober Is.), Sirl Lanka, Pakisian, Bhutan, Nepal, Chira, Thalland, Vernam Malawsia, Indonesia	SGNP, MG, MN, BWS, KWS	1
	114.	114. Daphnis norii (Linnaeus, 1758)	Irdia (Jammu & Kashmir Himachal Pradesh, Utlarakhand, Sikkim, Assam, Maghalaya, Arunachal Pradesh, Nagaland, Manjour, Mixoram, Maharashira, Gujarati), Sri Lawa, Pakistan, Brutan, Myamar, Thalland, China, Tawan, Japan, Malaysia, Euroea, Yenen, Africa, Maufriiks, Saudi, Araba, Afrinanistan	SGNP	ı
	115.	Acosmeryx shervillii Boisduval, 1875	India (Sikkim, northem India, Maharashtra, southem India), Sri Lanka, Nepal, China, SGNP, MG, KWS Bhutan, Thailand, Vietnam, Malaysia, Indonesia	SGNP, MG, KWS	1
	116.	Acosmeryx pseudonaga Boisduval, 1875 Macroniossum gurans Walker, 1856	India, Malaysia, Philippines India (Jammi & Karlmir Himarchal Pradash i Ilmarkhand Sikkim Assam	MG SGNP MG	1 1
			Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Madhya Pradesh, Kamalaka, Tamil Madu, Gujaral, Maharashtraj, Sri Lanka, Rakistan, Bhutan, Myanmar, Thalland		
	118	Macroglossum particolor Rothschild & Jordan, 1903	India (Maharashtra, southern India), Sri Lanka, Maldive Islands	SGNP	1
	100	Macrogiossum belis (Linnaeus, 1758)	Pakistan, India (Jammu & Kashmir, Himechal Pradesh, Uttarakhand, Sikkim, Assam, Wass Bengal, Madriya Pradesh, Kanataka, Gujatal, Malamastira), Sri Lamka, Hepai, China, Bhutan, Thaliand, Vithram, Indonesia, Taiwan, Japan	SGNP	1
	120. 121.	Macroglossum corythus Walker, 1856 Macroglossum sitiene Walker, 1856	India (Eastern Himalaya, southen India, Andaman Islands), China India (Eastern Himalaya, southen India), Sri Lanka, China, Bangladesh, Ayammar, Thaland, Vletham, Malaysia, Indonesia, Prilippines, Talwan, Japan	MG SGNP	H ,

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats (contd.)

ó	Таха		Distribution	Collection Sites	Range Notes
	Mac	Macroglossinae, Macroglossini, Choerocampina			1
	122.	122. Hippotion rosetta (Swinhoe, 1892)	India (Maharashtra, Goa, Kamataka, Tamii Nadu, Andhra Pradesh, Gujarat, Orisas, Sikkim, West Bengal, Blanz, Uttar Praedesh, Uttarahand Pradesh, Haryana, Verst Bengal, Blanz, Haryana, Lashadusen, Lashadusen, Assam, Arunachal Pradesh, Moghalaya, Lashadusen Islands, Andaman & Nicobar Is.), Sri Lanka, Pakistan, Thailand, southern Ohina and Tawan Io southern Japan (Ryukyu Archipelago), Philippines, eastern Indonesia, Pabula New Guinea.	SGNP, MG	1
	123.	123. Hippotion celerio (Linnaeus, 1758)	India (Western and Eastern Himalaya, southern India) and throughout the world except in the far North, New Zealand	SGNP, MG, BWS	끮
	124.	Hippotion rafflesii (Moore, 1858)	India (Eastern Himalaya, southern India), Sri Lanka, China, Myanmar, Indonesia, Malaysia (Borneo), Taiwan	MG, KWS	문
	125.	Pergesa acteus (Cramer, 1779)	India (Jammu & Kashmir, Himachal Pradesh, Utlarakhand, Sikkim, Assam, Meghalaya, Avunachal Pradesh, Nagaland, Manjour, Mizoram, West Bangal, Maharashtra, Kamataka, Andaman Isi, Siri Lanka, Nepal, China, Myammar, Thalland, China, Talwan, Japan, Malayas, Singatore, Indonesia, Philiothes	SGNP, MG	1
	126.	Hyles fromica (Fabricius, 1775) Theretra nessus (Drury, 1773).	Inda (Western Himalaya and southern India), Pakkstan, China, Europe, Africa India (Jamun V. Kashimri, Himachal Pradesh, Urasrkhand, Silkkim, Assam, Meghalaya, Auntachal Pradesh, Nagaland Manipur, Mizoram, Culijarah, Mahanasthira, Gos, Andrina Probash, Ramatakari Tamil Nadu, Andraman Is.), Sil tanka, Nopal, China, Bhutan, Myamar, Thalland	SGNP, MG SGNP, MG, BWS, KWS	E 1
	128.	128. Theretra boisduvalii (Bugnion, 1839)	India (eastern Himalaya, Maharashtra, Gujarat, Uttarakhand, Meghalaya, Sikkim), Si Lanka, China, Thaifard, Malaysia, Indonesia, Vietnam, Taiwan, Turkov, Ian	SGNP, MG, BWS	1
	129.	Theretra gnoma (Fabricius, 1775)	India (southern India), Sri Lanka	SGNP, MG, BWS, KWS	Ä
	130.	Theretra clotho (Drury, 1773)	India (Jammu & Kashmir, Himachal Pradesh, Untarakhand, Sikkim, Assam, Meghalaya, Arunakhal Pradesh, Nagaland, Mamipur, Mizoram, West Bengai, Gujarat, Maharasathra, Kamataka, Tamil Nadu, Andaman Is), Si Lanka, Netsal, China, Myammar, Indonesia	SGNP, MG, BWS, KWS, MN, AM	ı
	131.	131. Theretra alecto (Linnaeus, 1758)	India (Jammu & Kashmir, Himachal Pradesh, Uttaraktand, Sikkim, Assam, Meghalaya, Arunanal Pradesh, Nagaland, Manipur, Mizoram), Pakéstan, Iran, Iran, Adpinalsian, Johekstan, Kyrgyzslan, Greece, Bulgaria, Egypi, Lebanon, Israel, Turkev, Turkmenistan	SGNP, MG	ı
	132.	Theretra lycetus (Cramer 1775)	India (Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Assam, Meghalaya, Adunachal Pradesh, Nagalami (Manjun, Mizoram, West Bengal, Guraen, Mahanshira, Karnaiksh, Sri Lanka, Bhutan, Myanmar, Indonesia	SGNP, MG, BWS, KWS	1
	133.	Theretra oldenlandiae (Fabricius, 1775)	India (Jammu & Kashmir, Himachal Pradesh, Uharakhand, Sikkim, Assam, Meghalaya, Arunchal Pradesh, Nagaland, Manipur, Mizoram, Madhya Pradesh, Quiran, Mahastathar, Kamatakah, Si Lankar, Posal, Ohlina, Butlan, Mwanmar, Malawasi, Indonesia, Phitocines	SGNP, MG, BWS, KWS	1
	134.	134. Theretra silhetensis (Walker, 1856)	India (eastern Himalayas, southern India, Andaman Is.), Sri Lanka, Nepal, China, Bangladesh, Thailand, Vietnam, Malaysia, Indonesia, Taiwan, Japan, Australia	MG	出
	132.	Theretra castanea (Moore, 1872)	India (Maharashtra, Karnataka, Kerala, Tamil Nadu)	SGNP, MG	Z

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

No.	Taxa		Distribution	Collection Sites	Range Note
(c	(xviii) Bo	mbycidae, Bombycinae			
		Ocinara sp.	DD	SGNP	DD
		Trilocha c.f. varians	DD	SGNP	DD
		Trilocha c.f. friedeli	DD	SGNP	DD
		terotidae, Eupterotinae		Care	00
		Eupterote lineosa (Walker, 1855)	India (Sikkim, Nagaland), Bangladesh, Bhutan	SGNP, MG, BWS,	RE
	105.	Eupterote inteosa (waiker, 1655)	India (Sikkini, Nagaland), Dangladeshi, Dhulan		nc.
	440	F	Oct towards	AM, PWS	en.
		Eupterote murina (Moore, 1877)	Sri Lanka	BWS, PWS NR,	RE
		Eupterote sp.	DD	MG	DD
		amily Unassigned			
	142.	Ganisa similis Moore, 1884	India (Himachal Pradesh, Sikkim, Uttarakhand, Nagaland), Sri Lanka, China, Bangladesh, Malaysia	SGNP, AM	RE
	(xx) Satu	rniidae, Saturniinae			
	143.	Actias selene (Hübner, 1806)	India (Kashmir, Sikkim, Assam, Meghalaya, Manipur, West Bengai, Bihar, Orissa, Himachal Pradesh, Uttarakhand, Gujarat, Maharashtra, Karnataka, Tamil Nadu), Srl Lanka, Nepai, China, Bhutan, Bangladesh, Myanmar, Indonesia,	SGNP, MG, BWS, MN, AM, MB	***
			Philippines, Afghanistan, Russia, Malaysia		
	144.	Attacus taprobanis Moore, 1882-1883	India (Maharashtra, Karnataka, Kerala, Tamil Nadu, Gujarat), Sri Lanka	SGNP, MG, BWS, KWS	-
	145.	Antheraea paphia (Linnaeus, 1758)	India (Kashmir, Sikkim, Assam, Meghalaya, West Bengal, Bihar, Orissa, Himachal Pradesh, Uttarakhand, Madhya Pradesh, Andhra Pradesh, Gujarat, Maharashtra, Karnataka, Tamil Nadu), Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar, Pakistan	SGNP, MG, BWS, KWS, MB	-
	147.	Loepa schintlmeisteri Brechlin, 2000	India (Himalaya, Maharashtra), Myanmar, Thailand, Malaysia, Indonesia	MG, BWS	-
XIII		AMPOIDEA			
		iocampidae, Lasiocampinae			
	148.	Trabala vishnou (Lefèbvre, 1827)	India (Uttarakhand, West Bengal, Andaman Is.), Sri Lanka, China, Bhutan, Bangladesh, Myanmar, Indonesia, Japan	SGNP, MG, BWS	RE
	149.	Arguda flavovittata Moore, 1879	India (Himachal Pradesh, Uttarakhand), Bhutan	SGNP	RE
	150.	Lebeda nobilis Walker, 1855	India (Nagaland, West Bengal, east to north-west Himalaya), Nepal, Bangladesh	MG, KWS, BWS	RE
	151.	Metanastria aconyta (Cramer, 1777)	india (Karnataka, Kerala, Sikkim), Bangladesh	PWS	RE
		Streblote siva (Lefèbvre, 1827)	India (West Bengal, southern India, north-west Himalaya), Myanmar, Iraq, Pakistan	SGNP	RE
ΧIV		TROIDEA			
	(xxii) Ura				
	Micro	onlinae			
	153.	Micronia aculeata Guenée, 1857	India, Sri Lanka, Myanmar, China, Taiwan	SGNP, MG, BWS, KWS, AM	-
	Epip	leminae			
		Orudiza protheclaria Walker, 1861	India (Sikkim, Uttarakhand, Meghalaya, Maharashtra, Karnataka, Kerala), Myanmar, Bangladesh, Thailand, Cambodia, Indonesia	SGNP, MG, BWS	-
	155	Monobolodes sp.	DD	SGNP, MG	DD
		Phazaca leucocera Hampson, 1891	India (Uttarakhand, southern india), Sri Lanka, Indonesia, Malaysia (Borneo),	SGNP, MG, BWS,	
			Papua New Guinea	KWS	RE

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

157. Phazaca stp. Phazaca stp	No.	Taxa		Distribution	Collection Sites	Range Notes
unciusaria (Walker, 1862) India, Bangladeah. India, Bangladeah. India, Bangladeah. India, Bangladeah. India (North India, Tarnil Nach, Kerala), Sri Lanka (Morthosini India (Sakim, Utarakhand, Khasi Hilis, Tamil Nach), Sri Lanka (Kwisharakir, 1862) India, Napal, Chira (Hirachal Pradeah, Utarakhand, Moramar, Bangladeah, Australia Sonth Pobrint (Alaman, Bangladeah, Australia) India, Sri Lanka, Myammar, Chira, Indonesia, New Guinea (Sonth Pobrint (Alaman, Sintaria) India, Australia, New Britain (Dob Dobrint (Alaman, Myammar, Chira, Indonesia, New Guinea (Sonth Mostandaria) India, Australia, New Britain (Dob Dobrint (Alaman, Myammar, Chira, Indonesia, New Guinea (Sonth Mostandaria) India, Australia, New Britain (Dob Dobrint (Alaman, Myammar, Chira, India, Australia, New Britain (Alaman, Malana) India (Nahanashtra, Cherna), Tisa) Dob Dobrint (India, Utarakhand, Japan (India, Utarakhand, Andaman, Sri Lanka (Sonth Mostandaria) India (Nahanashtra, Chira, India, Utarakhand, Andaman, Moghalaya, Utarakhand, Andaman, India (Nahanashtra, India) (Nahanashtra, India, Utarakhand, Andaman, India (Nahanashtra, India, Utarakhand, Andaman, India, Ophrandaria) (Guenéa, 1857) India (Nahanashtra, India) (Nahanashtra, India, Utarakhand, Andaman, India, Utarakhand, Andaman, India, Utarakhand, Andaman, India, Utarakhand, India, Utarakhand, India, India, India, Utarakhand, India, Utarakhand, India, Utarakhand, India, Utarakhand, India, Utarakhand, India, Utarakhand, India, In		157.	Phazaca sp. Phazaca c.f. theclata	OD	BWS	Q ,
pochrozenia waker, 1962, India (North India, Jamin Nadu, Nearab, Sri Lanka Modernale Waker, 1962) India, Nepal, China and Marker, 1962) India, Nepal, China and Marker, 1963) India, Nepal, China and Marker, 1963) India, Sri Lanka, Myarmar, China, Indonesia, New Guinea SGNP Performant (Stolu, 1787) India, Sri Lanka, Myarmar, China, Indonesia, New Guinea SGNP Performant (Stolu, 1787) India, Sri Lanka, Myarmar, China, Indonesia, New Guinea SGNP Performant (India, Sri Lanka, Myarmar, China, Indonesia, New Gritar (Marker, 1967) India, Sri Lanka, Myarmar, China, Indonesia, New Gritar (Marker, 1967) India, Sri Lanka, Myarmar, China, Indonesia, New Gritar (Marker, 1967) India, Sri Lanka, Myarmar, China, Indonesia, New Gritar (Marker, 1967) India, Sri Lanka, Myarmar, China, Indonesia, New Gritar (Marker, 1967) India (Marker, 1		Auz 159.	einae Decetia numicusaria (Walker, 1860)	India, Bangladesh.	SGNP	r)
Guende, 1869   India (Sikkim, Utarakhand, Khasi Hills, Tamii Nadu), Shi Lanke   KWS		(xxiii) Ge	Decetta subobscurata walker, 1862 cometridae	india (North India, Tamii Nadu, Kerala), Sri Lanka	D.W.	뿐
Triang (Namer, 1867) India, Self Lanke, Napal, Myanmar, Bangladesh, Australia SGNP Remarker, 1867) India, Self Lanke, Napal, Myanmar, Chira, Indonesia, New Guinea SGNP Remarker, 1867) India, Self Lanke, Myanmar, Chira, Indonesia, New Guinea SGNP Remarker, 1867) India, Self Lanke, Myanmar, Chira, Indonesia, New Guinea SGNP MG SGNP DD		Enn	ominae, Hypochrosini	To the Control of the	or or	i
Tardialer, 1861 India. Sri Lanka, Napal, Myanmar, China, Indonesia, New Guinea  Solup  Solu, 1787) India. Sri Lanka, Myanmar, China, Indonesia, New Guinea  Solup  DD  DD  DD  DD  DD  DD  DD  DD  DD		162.	Achrosis incitata (Walker, 1862)	india (Sirkim, Ottarakhand, Khasi Hilis, Tamii Nadu), Sri Lanka India, Nepal, China	SGNP	<u></u>
Tridia (Himathal Prazesh, Ultarakhand), Nopal India, Shi Larka, Nepal, Myanmar, China, Indonesia, Nepal, Myanmar, China, Indonesia, Nepal, Myanmar, China, Indonesia, New Guinea SGNP India, Shi Larka, Myanmar, China, Indonesia, New Guinea SGNP MG and (Guenée, 1857) India, Australia, New Britain MG MG MG MG (Cramor, 1782) India, Australia, New Britain MG (Cramor, 1783) India (Naharashtra, Chemai, Ultrankhand), Pakistan, Sri Larka SGNP, MG SGNP, MG (Cramor, 1783) India (Naharashtra, Chemai, Ultrankhand), Pakistan, Sri Larka SGNP, MG SGNP, MG (Cramor, 1783) India (Naharashtra, Andanan & Nicobar Is.), China, Australia SGNP, MG MG (Cramor, 1867) India (NE. Himateya, Ultrankhand, Andanan & Nicobar Is.), China, Australia SGNP, MG MG (Cheme, 1857) India (NE. Himateya, Ultrankhand, Andanan & Nicobar Is.), China, Australia SGNP, MG MG (Cheme, 1857) India (NE. Himateya, Ultrankhand, Chhettisgam), MG MG (Cheme, 1857) India (Mc (Central India, Sikidin, Assam, Medhaloya, Ultrankhand, Chhettisgam), MG MG (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Medhaloya, Ultrankhand, Chhettisgam), MG MG (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Medhaloya, Ultrankhand, Chhettisgam), MG MG (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Medhaloya, Ultrankhand, Chhettisgam), MG MG (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Mc (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Mc (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Mc (Cheme, 1867) India (Mc (Central India, Sikidin, Assam, Mc (Central India,		E :				
Solution (Counte), 1857) India, Sri Lanka, Myanmar, China, Indonesia, New Guinea SGNP MG Solution DD DD DD DD MG MG Solution DD DD DD MG		163.		India (Himachal Pradesh, Uttarakhand), Nopal India, Sri Lanka, Nepal, Myanmar, Bangladesh, Australia	BWS	H 1
Trolle, Sit Lanka, Myanmar, Chira, Indonesia, New Guinnea   SGNP     10		Enn	ominae, Caberini			
MG aria (Cuuniès, 1957) India, Australia, New Britain DD		165. Fnn	Hyperythra lutea (Stoll, 1787)	India, Sri Lanka, Myanmar, China, Indonesia, New Guinea	SGNP	ı
aria (Journée, 1857) India, Australia, New Britain  DD  DD  And  (Guenée, 1859) India (Maharashtra, Chemrai, Utrankhand), Pakistan, Sri Lanka  (Gramor, 7780) India (Maharashtra, Chemrai, Utrankhand), Malayaia  (Gramor, 7780) India (Maharashtra, Chemrai, Utrankhand), Malayaia  (Gramor, 7780) India (Maharashtra, Japan  DD  DD  And  And  And  And  And  And		166.	Abraxas sp.	QQ	5	QQ
And (Suender, 1867) India, Australia, New Britain  Tridia, Australia, New Britain  Tridia (Maharasahtra, Chemnal, Uttarakhand), Pakistan, Sri Lanka  SGNIP, MG  Tridia (Maharasahtra, Chemnal, Uttarakhand), Pakistan, Sri Lanka  SGNIP, MG  AM  MG  SGNIP, MG  DD  DD  DD  DD  DD  DD  DD  DD  DD		167.	Gonodontis c.f. ciella	QQ	SGNP	00
Hebrotosporane sp.  India, Australia, New Britain  Lattices Hebrotosporane (Guenée, 1857)  India (Markerstite)  Chiasmie deleonoa (Carnot, 1783)  India (North India, Ustrarkhand, Pakistan, Sri Lanka  Solve, M.G.  Chiasmie deleonoa (Carnot, 1783)  India (North India, Ustrarkhand, Andaman & Nicobar Is), China, Australia  And North India, Nepal, China, Thailand, Japan  Dosyboarmia ct. subplicas  Dosyboarmia ct. subplicas  Dosyboarmia ct. subplicas  Marker, 1860)  Dosyboarmia ct. subplicas  Dosyboarmia ct. subplicas  Dosyboarmia ct. subplicas  North India, Nicobar Is), China, Australia  And And Nicobar Is)  India (Central India, Sikkim, Assam, Meghalaya, Uttarakhand, Chinattisgam),  North, Bangiedesh, Malaysia, Indonesia  Dosyboarmia ct. subplicas  North, Bangiedesh, Malaysia, Indonesia  Dosyboarmia ct. subplicas  And And Nicobar Is), China, Australia  And And Nicobar Is), China, Australia  And And Nicobar Is)  Dosyboarmia ct. subplicas  North, Bangiedesh, Malaysia, Indonesia  Dosyboarmia ct. subplicas  And And Nicobar Is), China, Australia  And		Enn	ominae, Cassymini			
India Australia, 1857)  Lubrakin sp. 100 July Australia, New Britain  Chisarnia denorma (Cameri, 1861)  Dia, Nepal, China, Thailand, Japan  Lubrakin shows, Barmilin  India (Neh Limialaya, Uttarakhand, Andaman & Nicobar Is.), China, Australia  All  All  All  All  All  All  All		168.	Heterostegane sp.	99	MG	8
Tudarida sport Colonela, 1859)  Tudarida sport Colonela, 1859)  Tudarida sport Colonela, 1859)  Tudarida sport Colonela, 1859)  Tudarida (Maharashtra, Orbania, Unarakhard), Pakistan, Sri Lanka SGNP, MG		180		India Australia Naw Britain	Con	- 1
India (Naciara) (James described)  India (National Augustina Chiesmia Inchesia (Augustina Chiesmia C		170		DD	SGNP	OO
Chiasma inchaesa (Valker, 1861) India (Maharashtran, Chomai, Utarakhand), Pakisian, Sri Lanka SGNP, MG Chiasma inchaesa (Valker, 1861) India (Maharashtran, Chomai, Utarakhand), Rabisaia (Chiasma inchaesa (Valker, 1861) India (North India, Utarakhand), Malaysia (Sone india (North India, Utarakhand), Malaysia (North India, Utarakhand, Andahanda alioea (Walker, 1860) India (North India, Utarakhand, Andahanda alioea (Walker, 1860) India (North India, Sikkim, Assam, Meghalaya, Utarakhand, Chhattisgarh), Malaysia, India (Sontra India, Sikkim, Assam, Malaysia, Indoa Australian Tropics to Filj and New Caledonia (Malaya, Utarakhand, Chhattisgarh), Malaysia, Indoa Australian Tropics to Filj and New Caledonia (Malaya, Malaysia, Indoa Australian Tropics to Filj and New Caledonia (Malaya, Malaysia, Indoa Australian Tropics to Filj and New Caledonia (Malaya, Malaya, Malay		Enn	ominae, Macariini			
Chiasma electoral (Walker, 1861) India (Maharashira, north India)  Chiasma electoral (Camor, 1861) India (Maharashira, north India)  Chiasma et riggidata electoral (Camor, 1861)  India (Maharashira, north India)  Chiasma et riggidata electoral (Camor, 1861)  India (Nejal, Chira, Thalard, Japen India, Nicobar Is.), China, Australia  SGNP, MG, AWG, MG, AWG, MG, AWG, MG, AWG, MG, MG, MG, MG, MG, MG, MG, MG, MG, M		171.		India (Maharashtra, Chennai, Uttarakhand), Pakistan, Sri Lanka	SGNP, MG	ı
Crisarina devotora (Jamon, 1784) Inda (North Inda, Usrakrarard), Malaysia Godensie sp.  Godensie sp.		172		India (Maharashtra, north India)	SGNP, MG	Z
Chiesania (Walker, 1861) India, Nepal, China, Thailand, Japan Chiesania (Walker, 1862) India, Nepal, China, Thailand, Japan DD Australia SGNP, MG, BWS, MG, MG, MG, MG, MG, MG, MG, MG, MG, MG		173.		India (North India, Uttarakhand), Malaysia	SGNP, MG, AM	, 6
Chlashing character (Viraling Legistration of Library China, Natural China, Napar, China, Napar, China, Napar, China, Natural China, Napar, China, Natural China, Natural China, Natural China, China, Natural China, China, Natural China, China, Natural China, Chi		1			MG, AM	3
minae, Bearmini, Hypocida alaca (Walker, 1860) Dindia (N.E., Himalaya, Utranakhand, Andaman & Nicobar Is.), China, Australia AM P. MG, BWS, AM Sayboarmia c.f. subplicisa Dindia (Central India, Sikkim, Assam, Meghalaya, Utranakhand, Chhartisganh), Neal, Bangjadosh, Malaysia, Indonesia Dindia (Central India, Sikkim, Assam, Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Central India, Sikkim, Assam, Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Central India, Sikkim, Assam, Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Ma Mid Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Ma Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Ma Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Ma Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Meghalaya, Utranakhand, Chhartisganh), Sistong, Mid Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Meghalaya, Utranakhand, Chhartisganh), Sistong, Mid Meghalaya, Utranakhand, Chhartisganh), Sistong, Dindia (Meghalaya, Utranakhand, Chhartisganh), Dindia (Meghalaya, Utranakhand, Chhartisganh), Dindia (Meghalaya, Utranakhand, Chhartisganh), Dindia (Meghalaya, Utranakhand, Chhartisganh), Dindia (Meghalaya, Utranakhand, C		176.		India, Nepai, China, I hailand, Japan DD	SGNP	_ B
Hyposodra kalaca (Walker, 1860) India (N.E., Himalaya, Uttarakhand, Andaman & Nicobar Is.), China, Australia SORP MG, BWS, BWS, Bws. Bushbarand (Sundaria)		Enn				
Desy-boarmie a.f. subplices DD MVNS, BWS NVNS,		177.		India (N.E. Himalaya, Uttarakhand, Andaman & Nicobar Is.), China, Australia	SGNP, MG, BWS, AM	
Actics to the following and the following that the following the following that the following the following that the following the following that the following the following that the following that the following the following that the following the fo		178.		00	KWS, BWS	QQ
Alcis sp.		179		QQ	MG	00
Amblychia hymeraria (Guende, 1957) India (Central India, Sikkim, Assam, Meghalaya, Uttarakhard, Chhattisgarh), SGNP, MG Biston sp. Dipona hiperatura (Walker, 1860) Danan, Indo-Australian Tropits to Fiji and New Caledonia SGNP, BWS Cleora sp. 1 Dipona sp. 2 Dipona sp. 2 Dipona sp. 3 Dipona sp. 3 Dipona sp. 4 Dipona sp. 4 Dipona sp. 5 Dipona sp. 6 Dipona s		180.		00	PWS	QQ
Biston sp.         DD         DD           Clock or Injectural (Walker, 1860)         Japan, Indo-Australian Tropics to Fiji and New Caledonia         SGNP, BWS           Clock or sp., 2         DD         MG           Clock or sp., 2         DD         MG           Clock or sp., 3         DD         MG           Clock or sp., 4         DD         SGNP           Clock or sp., 5         DD         SGNP           Clock or sp., 6         DD         SGNP           Clock or sp., 6         DD         SGNP		181.		india (Central India, Sikkim, Assam, Meghalaya, Uttarakhand, Chhattisgarh), Nepal, Banqladesh, Malaysia, Indonesia	SGNP, MG	出
Clears sp. 1         DD         Undo-Australian Tropics to Fill and New Caledonia         SGNP BWS           Clears sp. 1         DD         DD         MG           Clears sp. 2         DD         MG         MG           Clears sp. 3         DD         MG         MG           Clears sp. 3         DD         MG         MG           Clears sp. 4         DD         SGNP         SGNP           Clears sp. 5         DD         SGNP         SGNP           Clears sp. 6         DD         SGNP         SGNP		182.		00	QQ	QQ
Objects         DD         MG           Chera sp., 2         DD         MG           Chera sp., 3         DD         MG           Chera sp., 4         DD         SGNP           Chera sp., 5         DD         SGNP           Chera sp., 6         DD         SGNP           Chera sp., 6         DD         SGNP           Chera sp., 6         DD         SGNP		183.		Japan, Indo-Australian Tropics to Fiji and New Caledonia	SGNP, BWS	i
Obervia 8p. 2 DD Mid Mid Cherra 8p. 4 DD Mid Cherra 8p. 4 DD SGNP SGNP SGNP SGNP SGNP SGNP SGNP SGNP		184.		99	MG	2 :
Object #8.0.   Obje		185.		66 8	MG.	2 2
Clearers p. 5 DD SGNP SGNP SGNP SGNP SGNP SGNP SGNP SGNP		187			DING	3 2
Cloring St. Co. DD Co. Co.		188		3 6	dNes	3 8
		189.		000	SGNP	2 2

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

190. Cle 191. Cle 193. Erd 193. Erd 193. Apl 195. Apl 196. Dy 196. Dy 198. Hell 198. Hell 199. Hell 199. Hell 199. Hell 199. Hell 199. Hell	190. Cleans 19. 7 191. Cleans 19. 8 192. Echanis 19. 8 193. Echanis 19. 8 194. Futbris 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	8 8 8	SGNP	QQ
191. Ce 193. Edd 193. Ap 195. Ap 196. Dy 197. Ornett 198. He 199. He 199. He	urgois esp. 1 rropis esp. 1 reconstruction esp. 2 reconstruction esp. 2 reconstruction esp. 3 reconstruction	00	CINCO	
192. Ect 193. Ect 194. Rul 195. Ap 196. opn 196. Opn 197. Pin 197. Pin 198. He 198. He 199. He	Tropies pp. 1 Tropies pp. 2 Tropies pp. 2 Transcriptor et. Writigate Trans. Dysphamini sphamia perzota (Swinhoe, 1891) Spassa pp. 2 Trans. Peeudoterpnini Tropiona sp.	00	LNISO	00
193. Ect 194. Apl 195. Apl 196. Dy Geometr 197. Pin 198. He 199. He	intilipins sp. 2. Intilipins sp. 2. Intilipins acessaria (Valker, 1860) Intrae, Dysphanitini spirania percota (Swithee, 1891) Intrae, Pseudoterpnini Intrae, Pse		MG	OO
194. Rui 195. Api Geometri 196. Dyi 197. Pin 198. He 198. He 199. He	Octobran assessing (Walker, 1860)  Octobran as Avviace  Spannia percola (Swithoe, 1861)  Thee, Pesudoterprini Thee, Pesudoterprini Tree, Pesudoterprini Tree, Pesudoterprini Tree, Pesudoterprini Tree, Pesudoterprini	00	MG	CO
195. Apl Geometri 196. Dy Geometri 197. Pin 198. He 199. He	iochiora ci, vivilaca trae, Dysphanlini sphania percota (Swinhoe, 1891) trae, Pseudoterpnini trachroma sp.	India (southern India), Sri Lanka	MG	끮
Geometri 196. <i>Dys</i> Geometri 197. Pin 199. He 199. He	irae, Dysphaniini sphania percota (Swithce, 1891) Trae, Peaudoterprini rroghroma sp.	00	SGNP	DO
196. Dys Geometri 197. Pin 199. He 199. He Geometri	sphania percota (Swinhoe, 1891) inae, Pseudoterpnini ngasa sp. erochroma sp.			
Geometri 197. Pin 198. He 199. He Geometri	inae, Pseudoterpnini ngasa sp.	India (Maharashtra, Goa, Karnataka, Tamil Nadu)	SGNP, MN, BWS,	EN, RE
197. Pin 198. He 199. He Geometri	ngasa sp. erochroma sp.		2	
198. Hei 199. Hei Geometri	rochroma sp.	QQ	BWS, AM	QQ
199. Her		00	KWS	00
Geometri	Herochroma c.t. orientalis	QQ	KWS	00
	Geometrinae, Geometrini			
	Agathia angustilimes Prout, 1926	India (Delhi)	SGNP, MG	EN, RE
201. Age	Agathia eromena Prout, 1916	India	BWS	EN
	Agathia laetata (Fabricius, 1794)	India, Sri Lanka, Nepai, Bhutan, Bangiadesh, Malaysia, Taiwan	AM	1
203. Pel	Pelagodes falsaria Prout, 1912	India, Indonesia, Malaysia (Borneo)	MG	1
	Agathia c.f. lycaenaria	00	BWS	OO
205. Cor	Comostola c.f. chlorargyra	00	SGNP	00
Geometri	Geometrinae, Comibaenini			
	Comibaena cassidara (Guenée, 1857)	India, China, Thailand, Singapore, Indonesia, Malaysia (Borneo)	SGNP	1
	Maxates sp.	00	WN	DD
208. Her	Hemithea tritonaria (Walker, 1863)	India, Sri Lanka, Nepal, China, Korea, Japan, Ryuku Is., Malaysia, Indonesia,	MG	
		Philippines		
	Thalassodes quadraria Guenée, 1857	India, Africa, China	MG	1
210. The	Thalassodes sp.	90	SGNP	8
	e e			
211. Ant	Antitrygodes cuneilinea (Walker, 1863)	India	SGNP	ZI Z
	Chrysocraspeda olearia (Guenée, 1858)	India, China	MB	
	Chrysocraspeda sp.	8	KWS	00
214. Pro	Problepsis vulgaris Butter, 1889	India (Himachal Pradesh, Uttarakhand, West Bengal, Southern Peninsula), Sri Lanka Nonal China	SGNP, BWS, AM	끮
215 Ser	Sconulasn	UU UU	KWS AW	2
	Scopula c.f. emissarla		SGNP	3 6
	Scoonlact pulchellata		BWS	3 2
	Timandra convectaria Walker, 1861	China. Bandadesh, Indonesia, Janan Korea	KWS	NB C
	Traminda mundissima (Walker, 1861)	India (Harakhand, southern India)	SGNP	HR NH
	Zvthos c.f. obliterata	DD	SGNP	00
-	lae			
221. Eur	Eupithecia sp. 1	00	SGNP	OO
222. Eug	Eupithecia sp. 2	QQ	MG	DD
Desmoba	Desmobathrinae, Desmobathrini			
223. Cor	Conolophia nigripuncta (Hampson, 1891)	India (Uttarakhand, Nilgiri Hills), Myanmar, Indonesia, Malaysia (Bomeo)	MG, BWS	끮

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

225. Enterioristic China, Guarn, Papura New Guinea MG, AM NO, MONTOLOIDE.  X NO, MONTOLOIDE. X NO, MONTOLOIDE. X NO, MONTOLOIDE. X No, MONTOLOIDE. X NO, MON	O	Taxa		Distribution	Collection Sites	Range Notes
NocruolDEA:  Voluntariane  Dub Customer (Nordonandiae)  Dub Customer (Nordonandiae)  Dub Customer (Nordonandiae)  SCAN Properace (Nordonandiae)  SCAN Prope		Desn 224. 225.		South China, Guam, Papua New Guinea DD	MG, AM MG	£ 8
The standard of the standard o	≥	(xxiv) Noi	DIDEA: todontidae			
rigid (Sikkim, Utranskhand, Napara) Indonesia, New Guinea SignP India (Sikkim, Utranskhand, Napara) Indonesia, New Guinea SignP India (Sikkim, Utranskhand, Napara) India (Napara) India (Nast Bengal, Sikkim), China India (Napara) India (Nast Bengal, Sikkim), China India (Napara) India (Napar		<b>Dudt</b> 226.	usinae Ambadra sp. Hvneraeschralla sp.	00	SGNP, KWS	00 00
Conjuliar Walker; 1855 India (Pinachal Pradesh; Sikkim, Nagalavd), Myarmara Pinada (N.E. Himalaya), China, Vetraam, Malaysia, Indonesia, Japan, M.G. Awa Guinea (Sikkim, Utarakthand, Assam, Maharashtra, Tamil Nadu), Sri Lanka, China Mid SGNP India (Sikkim, Utarakthand, Assam, Maharashtra, Tass) India (West Bengal, Sikkim), China Myanmar, Paksian India (Sikkim, Nagalard, West Bengal, Himachal Pradesh, Utarakhand, SignNP India (Sikkim, Nagalard, West Himachal Pradesh, Utarakhand, Mid Maharashtra, Tamil Nadu), China Maharashtra, Tamil Nadu, China Vera and India (N.E. Himalaya), China, Taiwan, Sundaland, Philippines (Mindanao) Mid India (N.E. Himalaya), China, Taiwan, Sundaland, Philippines (Mindanao) Mid India (N.E. Himalaya), Indonesia and Malaysia (Borneo) Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SignNP Mid India (N.E. Midalakhan SignNP Mid I		22 28		India (Sikkim, Uttarakhand, Nagaland), Sri Lanka, China, Indonesia, New Guinea India, China, Mvanmar, Indonesia, Malavsia (Romeo), Tawan	SGNP	2 2 2
and flurate (Walker, 1855) India (Sikkim, Utarakhand, Assam, Maharashtra, Tamil Nadu), Sri Lanka, China Mod SGNP Puss India (Sikkim, Utarakhand, Assam, Maharashtra, Tamil Nadu), Sri Lanka, China Puss India (Sikkim, Utarakhand, Majaand, Wast Bengal, Himachal Pradash, Utarakhand, SGNP Mod Radgarashtha, Tamil Nadu), China, Viehnam, Indonesia and Malaysia (Borneo), Koraa and Malaysia (Borneo), Mod India (Sikkim), China, Talwan, Sundaland, Philippines (Mindanao) Mod India (M.E. Himalaya), Indonesia and Malaysia (Borneo) Mod India (M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M. M. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M. M. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mod India (B. M. M. Himalayas, Utarakhand, Sikkim), Nepal, China, Roma, Sunkashashand, Sikkim), Nepal, China, Majayasha Buws, Buws, Buws, Buws, Sunkashasha, Majayasha, Sunkashasha, Sunk		230.		India (Hinachal Pracesh, Sikkim, Nagaland, Myarmar India (N.E. Himalaya), China, Vietnam, Mataysia, Indonesia, Philippines, Japan,	MG SGNP, MG	122
Purple Manager (Mores 1879) DD		232. Noto		New Guinea India (Sikkim, Uttarakhand, Assam, Maharashtra, Tamil Nadu), Sri Lanka, China	MG, SGNP	Ē
ymoralia basalis (Moore, 1879) indid (West Bengal, Himachal Pradesh, Uthriakhand, SGNP or a fabricacian Walker 1855 india (Sikkim), China, Vehanan, Indonesia and Malaysia (Borneo), Korasarashtra, Tamii Nadu), China, Vehanan, Indonesia and Malaysia (Borneo), Korasarashtra, Tamii Nadu), China, Vehanan, Indonesia and Malaysia (Borneo), Korasarashtra, Tamii Nadu), China, Talwan, Sundaland, Philippines (Mindanao) Mid mida (Sikkim), China, Talwan, Sundaland, Philippines (Mindanao) Mid malaysia (Borneo), DD (Sikkim), China, Talwan, Sundaland, Philippines (Mindanao) Mid malaysia (Moore, 1855) india (N.E. Himalaya), Indonesia and Malaysia (Borneo) Mid mida (Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid a se, Orgylint DD SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid a se, Orgylint DD SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, 1855) india (N.W. Himalayas, Utharakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Mid Moore, Mo		233.		OO	PWS	QQ
ra gorlef Moore, 1859 India (Sikkim, Nagaland, West Bengal, Himachal Pradeah, Utarakhand, Maharashta, Tamil Nadu), China, Viehnam, Indonesia and Malaysia (Borneo), Amanashta, Tamil Nadu), China, Viehnam, Indonesia and Malaysia (Borneo), Amanashta, Tamil Nadu), China, Talwan, Sundaland, Philippines (Mindanao) Midanacula Mateumuru, 1822 India (N.E. Himalaya), China, Talwan, Sundaland, Philippines (Mindanao) Midanacula Mateumuru, 1822 India (N.E. Himalaya), China, Talwan, Sundaland, Philippines (Mindanao) Midanacula Mateumuru (Moore, 1859) India (N.E. Himalaya), Indonesia and Malaysia (Borneo) Midanacula Mateumuru (Moore, 1865) India (N.W. Himalayas, Utarakhand, Sikkim), Nepal, China, Korea, Japan SGNP, Midanacula Mateumuru (Moore, 1865) Do Son Mateumuru (Moore, 1865)		234.		india (West Bengal, Sikkim), China Myanmar, Pakistan	SGNP	# K
ra grone/ Moore, 1859 India (Sikkim, Nagaland, Wost Bengal, Himachal Padesh, Utarakhand, SGNF, MG Anatashtra, Tanila (Sikkim, Nagaland, Wost Bengal, Himachal Padesh, Utarakhand, SGNF, MG Anatashtra, Tanila (North-west Himalaya), Bhutan, China (Mida (North-west Himalaya), Bhutan, China (Mida (North-west Himalaya), Bhutan, China (Sikkim), Mg MG (Sikkim), China (Mida (N.E. Himalaya), Indonesia and Malaysia (Borneo) (Mida (N.E. Himalaya), Indonesia and Malaysia (Borneo) (Mida (N.E. Himalaya), Indonesia and Malaysia (Borneo) (Mida (N.E. Himalaya), Utarakhand, Sikkim), Nepal, China, Korea, Japan (Mida (N.E. Himalaya), Utarakhand, Sikkim), Nepal, China, Korea, Japan (Son Mida (N.E. Mygmithi (Mida (N.E. Himalaya), Utarakhand, Sikkim), Nepal, China, Korea, Japan (Son Mida (N.E. Mygmithi (Mida (M		Phair	erinae			
re sangean Mocre, 1859 India (north-east and north-west Hinalaya), Bhutan, China Mid Midenae) India (N.H. Hinalaya), China, Taiwan, Surdaland, Philippines (Mindanae) Mid Midenae) Midensoulist Missoriat (Mindanae) Midensis Siziem), China Dia (Sixiem), China Dia (Mindanae) Midensis Siziem, China (M.E. Hinalaya), Indonesia and Malaya (Borneo) Midensis Siziem, China, Moore, 1856) Midensis Siziem, China, Moore, 1869 Dia (M.W. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Midensis Dia (M.W. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SigNP Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan Midensis Dia (M.M. Hinalayas, Ustarakhand, Sikkim), Nepal, China, Midensis Dia (M.M. Hinalayas, Chin		236.	Phalera grote/ Moore, 1859	India (Sikkim, Nagaland, Wast Bengal, Himachal Pradesh, Uttarakhand, Maharashtra, Tamil Nadu), China, Vietnam, Indonesia and Malaysia (Borneo), Korea	SGNP, MG	1
India (Sikkim), China  Dispits facultar (Macror, 1872)  Dispits facultar (Macror, 1873)  Dispits fa		237.	50	India (north-east and north-west Himalaya), Bhutan, China India (N.E. Himalaya), China, Taiwan, Sundaland, Philippines (Mindanao)	MG MG	# # #
pietis sp.  DD  MG  MG  MG  MG  MG  MG  MG  MG  MG		239.	Ś	India (Sikkim), China	SGNP, MG, PWS	E.
Partia so, Action title sp. DD India (N.E. Himalaya), Indonesia and Malaysia (Borneo) MG India (N.E. Himalaya), Indonesia and Malaysia (Borneo) MG India (N.E. Himalaya), Indonesia and Malaysia (Borneo) MG India (N.W. Himalayas, Ustarakhand, Sikkim), Nepal, China, Korea, Japan SGNP MG SCNP BD DD DD SActornthini DD BD SCNP SCNP MG		240.		QQ	MG	QQ
India (N.E. Himalaya), Indonesia and Malaysia (Borneo)  MG  Lymantfini  India (N.W. Himalayas, Utarakhand, Sikkirn), Nepal, China, Korea, Japan  SGNP MG  SGNP  Actornithini  DD  Actornithini  DD  BWS  Actornithini  DD  Actornithini  DD  BWS  WWS  PWS  PWS  BWS  BWS  BWS  BWS		241.	Gargetta sp.	QQ	SGNP	QQ
e, Lymantrilini  thicis (N.W. Himalayas, Uttarakhand, Sikkirn), Nepal, China, Korea, Japan SGNP MG  e, Orgvini  e, Orgvini  b, Azdornthini  DD  Azdornthini  DD  BWS  e, Nymint  DD  BWS  e, Nymint  DD  BWS  PWS  PWS  BWS  BWS  BWS  BWS  BWS		242.	Eupydna testacea (Walker, 1856)	India (N.E. Himalaya), Indonesia and Malaysia (Borneo)	MG	핊
Vymartria minutura (Moore, 1865) India (N.W. Himalayas, Utlanskhand, Sikkirn), Nepal, China, Korea, Japan SGNP MG  Lymartria minutura (Moore, 1865) DD (SGNP  Lymartria minutura (Moore) DD (SGNP  Lymartria minutura (Moore) DD (SGNP  Lymartria minutura (Moore) Moore  Lymartria minutura		(xxv) Ere	sbidae antrinae, Lymantriini			
Activation of Control		243.	Lymantria mathura (Moore, 1865)	India (N.W. Himalayas, Uttarakhand, Sikkim), Nepal, China, Korea, Japan	SGNP, MG	# 8
Orgyle sp         DD         SGNP           Indiana Actornithini         DD         BWS           Actornitis sp.         DD         BWS           Indiana Agricologis sp.         DD         KWS, PWS           Somera sp.         DD         PWS           Nygmlas         DD         PWS           Mygmlas         DD         BWS		Lym	antrinae, Orgylini		- Second	3
Harrinas Arctiontithni DD BWS Arctionas sp. Arctionas Sp. Arctionas Sp. DD BWS FWS, PWS FWS, PWS FWS FWS FWS FWS FWS FWS FWS FWS FWS F		242	Orgyia sp.	00	SGNP	QQ
Intrinse Nygmilat  Eugrociss p. DD KWS, PWS  Sometar sp. DD PWS  PWS  PWS  PWS  PWS  PWS  PWS  PWS		Lym.	antrinae, Arctornithini Arctomis so.	QQ	BWS	DD
Euprocises.         DD         KWS, PWS           Somerales,         DD         PWS           PWS         PWS         PWS           Wygmiss of, maderal         DD         BWS		Lyms	antrinae, Nygmiini			
Somerasp, DD PWS Mydralesp, DD PWS Nygmiae, Cinadena DD BWS BWS		247.	Euproctis sp.	00	KWS, PWS	60
rispunia sy. Mygma et. madana DD RVS		248.		000	PWS	2 5
		250.		00	BWS	200

## Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

		Distribution	Collection Sites	Hange Notes
Lym	Lymantrinae, tribe unassigned			
Arctii	251. <i>Cispia charma</i> Swinhoe, 1899 Arctiinae, Lithosiini	India (Kamataka)	BWS	EN, RE
252.	Barsine striata (Bremer et Grey, 1852) Runia antica (Malkar 1854)	India (N.W. Himataya, Himachal Pradesh), China, Korea, Japan, Russia India (Sikkim Hittarakhand Monhalaya Nincharie), Sri Janka Chance is China	BWS SGP MG KWS	뮖
		Indonesia, Malaysia (Borneo)	BWS	끮
254.	Cyana ridleyi Hampson, 1900	India (Northern India, Uttarakhand), Malaysia, Singapore, Indonesia, Malaysia (Borneo)	SGNP, MG	뿐
255.	Cyana sp.	00	SGNP	20
256.		QQ	KWS	DD
257.		India (Sikkim, West Bengal, Assam, Meghalaya, Nagaland), Nepal, Japan, Europe	SGNP, MG	뿚
258.		00	SGNP	00
260.	Macrobrochis gigas (Walker, 1854) Nepita conferta (Walker, 1854)	India (Sikkim, Uttarakhand, Assam), Nepel, China, Bhutan, Indonesia India (Gujarat, Maharashtra, Goa, Kamataka, Tamil Nadu, North India), Sri Lanka	SGNP, MG, KWS SGNP, MG, KWS, PWS	2 ,
261.	Oeonistis entella (Cramer 1779)	India (southern India), Sri Lanka	SGNP, MG, KWS, BWS	끮
Arct			01100	1
202		India (Himachal Pradesh, Uttarakhand, Sikkim, Khasi Hills), China	SGNP, MG, BWS	분
264.	Amata cyssea Stoll 1762 Amata minor Warren 1888	India (Himalayas, Uttarakhand, Sikkim), Sri Lanka India (Punjab)	MG BWS	EN. HE
265.		00	BWS	8
266. Arcti	266. Nannoarctia dentata (Walker, 1855) Arctiinae, Arctiini	India (southern India to eastern India)	SGNP, MG	EN, RE
267.	Amerila astreus (Drury, 1773)	India (Sikkim, Uttarakhand, Arunachai Pradesh, West Bengai, Maharashtra, Tamil Nadu), Sri Lanka, China, Myarmar, Malaysia, Indonesia, Philippines, New Ginbus, Sri	MG, KWS, AM	ı
988	Argina arms Kallar 1944	India Cai Janka Manal China Bangladosh Manamor Indonesia Bhilinnina	SOND MAC DIAC	u o
700		nda, on tanka, Nepai, Crina, bangladesn, myanmar, indonesia, Frillippines, Japan, New Guinea, Australia, Oceania, Ghana, Madagascar, Seychelles	KWS, AM	Ä
269.	Creatonotos transiens (Walker, 1855)	india (eastern India, Uttarakhand, Sikkim), Nepal, China, Malaysia, Indonesia, Philippines, Japan	SGNP, MG, BWS, KWS, AM	ä
270.			SGNP, KWS, MG, BWS, AM	EN, RE
271.			SGNP, MG	EN, RE
2/2			AM, PWS	EN, RE
273.		00	BWS, AM	QQ
274.		India (Nagaland, Maharashtra, Karnataka, Gujarat, Andaman Is), Sri Lanka, China, Myanmar, Malaysia, Indonesia, Philippines, Australia	SGNP, PWS	1
275.	275. Pericallia ricini (Fabricius, 1775)	India, Sri Lanka	SGNP, MG, BWS, KWS, PWS	1
276.	276. Adrapsa ereboides (Walker, 1864)	India, Sri Lanka, Myanmar, Singapore, Indonesia, Indonesia, Malaysia (Borneo)	SGNP, MG	1
777	Hydrillodes of abayalis		MAINE	9

No.

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

Taxa		Distribution	Collection Sites	Range Notes
Aga 278.	Aganainae 278. <i>Asola flcus</i> (Fabricius, 1775)	Pakistan, India (Uttarakhand, southern India), Sri Lanka, China, Nepal, Myanmar,	MG, BWS	퓚
279. 280. 281.	. Asota caricae (Fabrictus, 1775) . Asota saricae (Moora, 1878) . Digama marchali (Guérin, Méneville, 1843)	i finalemu, Malaysia, Japan India, Sri Lative, China, Malaysia, Indonesia, Philippines, Australia India (southem India) India (Maharashtra, Gujarat, southem India), Myanmar	SGNP, MG SGNP SGNP, MG,	EN, RE
Hype 282. 283.	Hypeninse 2022. Dichromia pullata Moore, 1885 283. Naarda sp.	Sri Lanka DD	BWS, PWS MG, AM KWS	NA OO
Scoli 284. 285.	Scoliopteryginae 284. Gorilis mesogona (Walker, 1988) 285. Rusicada albitibia (Walker, 1857-1859)	India, Thalland, Vietnam, Indonesia, Indonesia, Malaysia (Bomeo), Japan India, Sri Lanka, Myanmar, Japan, China, Indonesia, Australia, Papua New Guinea,	PWS	1.1
286. 287. 288.	Rusicada combinans (Walker, 1858) Rusicada leucolopha (Prout, 1928) Rusicada metaxantha (Walker, 1858)	Hij, Samos Irdis, Soft Lanka, Myenmar, China, Australia, Fiji, Africa China, Japan, Sumatra India, Shi Lanka, China, Myarmar, Indonesia, Japan, Australia, Solomon Is., Fili Samosa	MG KWS MG, KWS	i Z i
Calp 289. 290. 291.	Calpinae, Calpini 289. Calyptra minuticomis (Guenée, 1852) 280. Eudocima salaminia Walker, 1857 291. Eudocima phalonia (Linnaeus, 1763)	india, Sri Lanka, China, Indonesia, Japan, Australia India, China, Philippines, Japan, New Guinea. India, China, Indonesia, Korea, Japan, New Guinea, Australia, New Zoaland	MG, KWS MG, SGNP, AM SGNP, MG, BWS,	111
292.	Eudocima homaena (Hübner, 1816)	India, Sri Lanka, China, Myanmar, Malaysia, Indonesia, Singapore, Philippines	SGNP, MG, BWS,	1
293.	Eudocima hypermnestra (Stoll, 1780) Eudocima matema (Linnaeus, 1767)	India, Sri Lanka, Myanmar India (Uharahard, Assam), New Guinea, Australia, Canada, America, France to Assum, a state of the Communication of the Communicati	SGNP, AM SGNP, MG, KWS	1 65
295.	Oraesia c.f. argyrosigna Oraesia emarginata (Fabricius, 1794) Piusiodonta coelonota (Koltar, 1844)	Protectivimes, Antas Protectivimes, Korea, Japen, Australia India, China, Korea, Japen, Australia India (Usabakan, Andama & Moobas Is.), Sri Lanka, China, Myanmar, Indonesia, Singatore, Philipolies, Jasen, New Galnea	MG MG, AM KWS, MG	0 1 35
Calpir 298. Calpir 299.	Calpinae, Phyllodini 288. Phyllodes consobrina Westwood, 1848 Calpinae, Ophiderini 289. Achaes Janata (Linnaeus, 1758)	India (N.E. India, Andarran Is.), Sri Lanka, Myanmar, Thailand hidia, China, Myanmar, Indonasia, Sirgapore, Philipphines, Japan, New Guinea, New Zealand, Astratia	AM SGNP, MG, BWS, KWS, AM	ш. Н
300.	. Achasa serva (Fabricius, 1775)	Indo-Australian Tropics, China, Philippines.	SGNP, MG, BWS,	1
301.	. Bastilla crameri (Moore, 1885) Bastilla joviana (Stoll, 1782)	India, Sri Lanka, Pakkisan, China, Myarmar, Thailand, Indonesia and Malaysia (Borneo) India, Pakkasan, Bhulan, Nepal, Bangjadesh, Myarmar, Thaifand, Malaysia, Indonesia, China, New Guinea, Australia	KWS, AM MG, SGNP, AM, PWS MG, AM	1 1

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

So.	Таха		Distribution	Collection Sites	Range Notes
	303.	Buzara onelia (Guende, 1852) Paralislia stuposa (Febricius, 1794) Paralislia sp.	india, China, Myanmar, Malaysia, Indonesia, Singapore, Philippines India, Sri Lanka, China, Indonesia, Philippines, Japan, Korea DD	KWS, AM SGNP, MG, AM SGNP	
	306.		India, Sri Lanka, Myanmar, China, Japan, Singapore, Philippines, Indonesia, Malaysia (Borneo)	MG	2 1
	307.	Ophiusa tirhaca (Oramer, 1777)	India, Chira, Japan, Philippines, Australia, S.E. Europe, Africa	SGNP, MG, BWS, KWS	1
	308.	308. Ophiusa olista (Swinhoe, 1893) 309. Ophiusa triphaenoides (Walker, 1856)	India, China, Korea, Japan India, Sri Lanka, Pakistan, Bhutan, Nepal, Bangladesh, China, Taiwan, Thalland, Myanmar, Sumatra, Indonesia, Malaysia (Borneo)	SGNP, MG SGNP	1 1
	310. 311. Avent	Potentoninae 310. Diomea lignicolora (Walker, 1858) Aventilinae	Sri Lanka, Thalland, China, Indonesia. DD	AM MG, AM	A O
	312. 313. Anobi	312. Laspeyria sp. 319. Cerynea c.f. contentaria Anobinae	88	KWS	88
	314.	Plecoptera reflexa (Guenée, 1852) Tephriopis c.f. dívulsa	India, China, Singapore, Philippines DD	MG, SGNP KWS	200
	316.	Crithote horridipes Walker, 1864 Anoba pectinata (Hampson, 1896)	Indfa, China, Indonesia and Malaysia (Bomeo) Indfa (N.E. Himalaya), Sri Lanka, China, Indonesia and Maiaysia (Bomeo, Sumatra, Java)	SGNP, KWS AM	i er
	318. 319. 320.	Erebhase, Erebin 318. Erebus episspesis (Hübner, 1827) 319. Erebus caprimulgus (Fabricius, 1781) 320. Erebus hieroglyphica (Drury, 1773)	india (Andaman & Nicobaris.), Sri Larka, Chitra, Indonesis, Taiwan, Jepan India, Sri Larka, Myammer India (Utraskharan), Pekistan Sri Larka Barpidadek, Jupan, Chira (Including Hong Kong), Taiwan, Cambodia, Laos, Myammar, Tinaliand, Vetnam,	MG, BWS, AM MG, AM MG, AM	#,#
	321.	Erebus macrops (Linnaeus, 1770)	indonesia, Praippines, Malaysia, Singapore, Korea India, Sri Lanka, Nepal, Myanmar, China	SGNP, MN, MG,	1
	322.	Erebus sp. Chilkasa falcata Swinhoe, 1885	DD Infata, Sri Lanka, Nepal, Myanmar, Bhutan, Bangladesh, Thailand, China, Infonosis, Malaysis (Borneo), Philippines	MG C, OW,	00 1
	324.	Artena dotata (Fabricius, 1794)	India, Sri Lanka, China, Indonesia, Mataysia (Borneo), Singapore, Japan	SGNP, MG, BWS, AM	ı
	325.	Artena submira Walker, 1858 Hypocala deflorata Fabricius, 1794)	India (Tamii Nadu), Bangladash, Myanmar, Thailand, Vietnam India, Str. Lanka, Theiland, Nopali, Indonesia, Ohina, Talwan, Japan, Korea, Www. Zealand, Australia, South Africa, Medeasscar	SGNP, MG	H 1
	327.	Hypocala subsatura (Guenée, 1852) Chalolope mygdon (Cramer, 1777)	India (N.W. Himalayas, Uttarakhand, Kamataka, Tamil Nadu), China, E & S Africa India (Studen), Uttarakhand, China, Indonesia and Malaysia (Borneo), Struenos Isonanos	AM, MG SGNP, MG, KWS	뿚끮
	329.	Grammodes geometrica (Fabricius, 1775)	ствуются, студент применения,	SGNP, MG, BWS, KWS, AM	1
	330.	Grammodes stolida (Fabricius, 1775)	India, Europe, Africa, Yemen	MG, KWS	í

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

Таха		Distribution	Collection Sites	Range Note
331.	Trigonodes hyppasia (Cramer, 1779)	India, Sri Lanka, China, Japan, Australia, Africa.	SGNP, MG, KWS	_
332.	Mocis frugalis (Fabricius, 1775)	India (Sikkim), Sri Lanka, Myanmar, China, Japan, Malaysia, Indonesia, Singapore, New Guinea, Australia, Africa	MG	RE
333.	Mocis undata (Fabricius, 1775)	India (Uttarakhand, Nicobar Is.), Sri Lanka, China, Myanmar, Indonesia, Singapore, Korea, Philippines, Japan, Australia, Africa, Madagascar	MG, KWS, AM	RE
334.	Thyas coronata (Fabricius, 1775)	India (Sikkim, Uttarakhand), Sri Lanka, China, Bangladesh, Myanmar, Thailand, Indonesia, Philippines, Christmas Is., Australia, New Caledonia	SGNP, MG, BWS	RE
335.	Thyas honesta Hübner, 1806	India, Sri Lanka, Pakistan, Nepal, Bhutan, Bangladesh, Myanmar, Thailand, Indonesia, Malaysia (Borneo), Philippines	MG, KWS	-
336.	Serrodes inara (Cramer, 1779)	India (Tamil Nadu, Kerala, Andhra Pradesh).	SGNP, MG	EN. RE
	Serrodes campana Guenée, 1852	India, Sri Lanka, China, Bangladesh, Myanmar, Indonesia, Singapore, New Guinea, Australia.	SGNP, MG, AM	-
	Rema costimacula (Guenee, 1852) inae, Catocalini	India (Sikkim), China, Singapore, Indonesia, Australia	SGNP	RE
339.	Catocala sp.	DD	SGNP	DD
	Avatha chinensis (Warren, 1913).	China, Taiwan, Japan	MG	NR
341.	Attatha regalis (Moore, 1872)	India (northern India), Vietnam, Thailand, Nepal, China, Philippines	SGNP, MG	RE
	Sympis rufibasis Guenée, 1852	India, Sri Lanka, Myanmar, Nepal, Thailand, Cambodia, Vietnam, China, Taiwan, Philippines, Indonesia	AM	=
343.	Sphingomorpha chlorea (Cramer 1777)	India, Sri Lanka, Nepal, Thailand, China, United Arab Emirates, Oman, Saudi Arabia, Yemen, Egypt, Africa, Uganda, Sudan	SGNP	-
Erebi	inae, Hypopyrini			
344.	Spirama retorta (Clerck, 1764)	India, Sri Lanka, Nepal, China, Myanmar, Thailand, Malaysia, Indonesia, Philippines, Korea, Japan	SGNP, MG, AM, MN	۷ –
345.	Hypopyra ossigera Guenée, 1852	India (Assam, Sikkim), China, Indonesia and Malaysia (Borneo)	SGNP, MG, BWS, KWS	RE
	Hypopyra vespertilio (Fabricius, 1787) inae, Tinolini	India, Sri Lanka, China, Myanmar, Indonesia, Japan	SGNP, MG, AM, MI	V -
347.	Calesia dasyptera (Kollar, 1844)	India, Sri Lanka, Nepal, Bangladesh, Thailand, Laos, Vietnam, China, Myanmar	SGNP, MG	-
348.	Calesia rhodotela Hampson, 1926	Thailand, Myanmar	MG	NR
	Calesia stillifera Felder, 1874 inae, Hulodini	Sri Lanka, India, Thailand, Cambodia, Vietnam, China, Philippines	KWS	-
350.	Ericeia inangulata (Guenée, 1852)	India (Himachal Pradesh, Uttarakhand), Sri Lanka, China, Bangiadesh, Myanmar, Singapore, Japan, New Guinea	SGNP, MG	RE
351.	Ericeia c.f. inangulata	DD	MG	DD
352.	Ericeia c.f. pertendens	DD	MG	DD
353.	Hulodes caranea (Cramer, 1780)	India (Assam), Sri Lanka, China, Myanmar, Thailand, Indonesia, Singapore, Philippines, New Guinea	SGNP, MG, BWS, AM	RE
Erebi	inae, Pericymini			
Erebi	Pericyma umbrina (Guenée, 1852) inae, Ercheini	India	MG	EN
355.	Ercheia cyllaria (Cramer, 1779)	India (Uttarakhand, Nicobar Is.), Sri Lanka, China, Myanmar, Vietnam, Malaysia, Indonesia, Singapore, Japan, Ethiopia	MG, AM	RE
356.	Ercheia diversipennis Walker, 1857 Ercheia sp.	India, Sri Lanka, Myanmar, Indonesia, Malaysia (Borneo) DD	MG KWS, AM	- DD

# Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

Sell Hyposopia bolinoides Cleande, 1832 Corrocolda, China, Jagan, Korea, Indonesia and Malayia (Borneo, Java), Woo Garnea, Java)  Selve Correa and Walayia (Borneo), Stri Lanka, Managa, Gorneo), Stri Lanka, Managa, Gorneo, Stri	Š.	Taxa		Distribution	Collection Sites	Range Notes
Ludia (Tamil Nacid.), Sri Lanka, Myanmar and acadinates size and acadinates size serioprodes Walker, 1856 India (National Assam, Sikkim, Andaman Is), Myanmar (Salvim, Andaman Is), Myanmar, Indonesia, Anda (Myanmar, Indonesia, Indon		358.		India (Central India, Andaman & Nicobar Is.), Sri Lanka, Nepal, Thailand, Vietnam, Cambodia, China, Japan, Korea, Indonesia and Malaysia (Bomeo, Java), New Guinea, Australia		믦
size opytocalis Wisleer, 1859 India (Trami Nadu), Sil Lanka, Myanmar and configua Wileman, 1914 India (Trami Nadu), Sil Lanka, China, Japan, Philippines, Indonesia, Africa SONP, MG, BWS, Odes aurantiaca Guardea, 1852 India (Western India, Assam, Sikkim, Andaman Is), Myanmar AM, BWS, Silvan, Andaman Is), Myanmar AM, BWS, Silvan, Andaman Is), Myanmar, AM, BWS, BWS, Middle (Utrankaharitia, 1537) India (Utrankahariti, 1537) India (Utrankahariti, 1537) India (Utrankahariti, 1537) India (Utrankahariti, 1538) India (Utrankahariti, 1538) India (Utrankahariti, 1538) India (Utrankahariti, 1539) India (Utrankahariti, 1539		Sub				
sisting expositing Cauchining (Sunificancies)		329.		India (Tamil Nadu), Sri Lanka, Myanmar	MG	뿚
ra contigua Wileman, 1914 India, Sri Lanka, China, Japan, Philippines, Indonesia, Africa SSRN MG, BWS, and savarifiaca Guerde, 1822 India (Western India, Assam, Sikkim, Andaman Is), Myanmar SORP, MG, BWS, And BWS, Godes aurarifiaca Guerde, 1822 India (Utransbrand, Sri Lanka, Under Hampson, 1926 India (Utransbrand), Sri Lanka, Utropesia, Majorsia (Borneo), Philippines, Mastralia Patal,		360.		India (North India), Bangladesh, Sri Lanka.	SGNP, MG	,
odes aurantiaca Guende, 1852 India (Utlarakhand), Bangiadesh, Nepal, Myarmar, Trailand, Laos, China, Amide (Utlarakhand), Bangiadesh, Nepal, Myarmar, Trailand, Laos, China, Amide (Utlarakhand), Brangiadesh, Nepal, Myarmar, Trailand, Laos, China, Myarmar, Trailand, Laos, China, Myarmar, Indonesia, Malaysia (Brome), Pilitipores, Australia, Myarmar, Indonesia, Malaysia (Borneo), Siritans, Ordina, Myarmar, Indonesia, Malaysia (Borneo), Siritans, Myarmar, Indonesia, Malaysia (Borneo), Siritans, Myarmar, Indonesia, Malaysia (Borneo), Siritans, Myarmar, China, Myarmar, China, Myarmar, Malaysia (Borneo), Siritans, Myarmar, China, Myarmar, China, Myarmar, Mide (Pulph), Siritans, Myarmar, Malaysia (Borneo), Siritans, Myarmar, Myarmar, Myarmar, Myarmar, Myarmar, Myarmar, Myarmar, Molesia, Siritans, Myarmar, Myarmar, Myarmar, Molesia, Siritans, Myarmar,		361.		India, Sri Lanka, China, Japan, Philippines, Indonesia, Africa	SGNP, MG, BWS, PWS	ı
odes propilie (Guerin-Meneville, 1831) India (Utlarakhand), Bengladeeh, Nepel, Myarmar, Trailand, Lacos, China, Myarmar, Trailand, Lacos, China, Myarmar, Trailand, Lacos, China, Myarmar, Indonesia, Malayai (Bromos), Milayai (Bromos), Malayai (Bromos), Milayai (Bromos), Malayai (Bro		362.		India (western India, Assam, Sikkim, Andaman Is), Myanmar	SGNP, MG, BWS,	Į.
India (Hinaku, 1786) India (Hinaku, Majayai, (Borneo), Philippinas, Australia Plaiu, Papua Naw Guinea Milippinas, Australia Philippinas,		363.		India (Uttarakhand), Bangladesh, Nepal, Myanmar, Thailand, Laos, China,	SGNP, MG, BWS,	끪
Profile for the prilippines, Australia processaria, Trani Neado, Sri Lanka, New Gulora, Australia dia, Sri Lanka, New Gulora, Myanmar, India (Pulpa Marakhand, Adaman & Nicobar Is.), Sri Lanka, China, Myanmar, India (Pulpa Marakhand, Adaman & Nicobar Is.), Sri Lanka, China, Myanmar, India (Pulpa Marakhand), Indonesia, Branchand, Adaman & Nicobar Is.), Sri Lanka, China, Myanmar, India (Pulpa Marakhand), Indonesia, Pulpippines, Japan, Marakhand, Sri Lanka, China, Myanmar, India (Pulpa Marakhand), Indonesia, Pulpippines, Japan, Marakhand, Sri Lanka, China, Malaysia, Indonesia, Pulpippines, Japan, McG, SGINP, KWS Anterna, Indonesia, Pulpippes, Marakhand, Adaman, Malaysia, Indonesia, Pulpippines, Japan, McG, SGINP, KWS Anterna, Indonesia, Pulpippes, Marakhand, Sri Lanka, China, Malaysia, Indonesia, Pulpippines, Japan, McG, SGINP, KWS Anterna, Indonesia, Pulpippes, Marakhand, Adaman, Malaysia, Indonesia, Pulpippines, Japan, McG, SGINP, KWS Anterna, Indonesia, Roberton, 1983 India (Washarashtra, Goa, Kamalaka, Tamih Nadu) SGINP Marakhand, Adaman, Maharashtra, Goa, Kamalaka, Tamih Nadu) SGINP, KWS, Marakhand, India (Washarashtra, Isaa) India (Washarashtra, Isaa) India (Washarashtra, India), Sri Lanka, Indonesia, Singapore SGINP, KWS, Marakhand, India (Washarashtra, Isaa) India (Washarashtra, India), Sri Lanka, Marakhanda, Marakhanda, Indonesia, Singapore SGINP, Marakhanda,		364.		Indonesia, Malaysia (Borneo), Philippines, Australia, Palau, Papua New Guinea India (Himalayas, Uttarakhand), Sri Lanka, China, Myanmar, Indonesia.	AM	
and acquaintificates, 1775) India (northern India). All Latankian, China, Myarmar, Indonesia, Mida (voit) (mida (northern India). Status (Maker, 1869) India (Purpla), Maharashtra, Tamil Nabu), St. Latanka, Napal, China, Majarmar, Indonesia, St. Latanka, China, Myarmar, Indonesia, St. Latanka, China, Myarmar, Myarania, Mida (Maranhand, Andaranan & Nicobar Is, St. Latanka, China, Latanka, China, Myarmar, Mida (Maranhand, Andaranan & Nicobar Is, St. Latanka, China, Myarmar, Mida (Maranhand, Andaranan & Nicobar Is, St. Latanka, China, Myarmar, Mida (Maranhand, Andaranan & Nicobar Is, St. Latanka, China, Myarmar, Mida (Maranhand, Andaranan), Indonesia, Brangbadesh, Japan, China, Myarmar, India (Uttaradhand), St. Latanka, Brangbadesh, Japan, China (Maranhand, Vietnern), Padistan, St. Latanka, China, Malaysia, Singapore Angarammigna Guenée, 1852  India (Uttaradhand, Padistan, St. Latanka, China, Malaysia, Singapore, Korea (1860) 1858  India (Uttaradhand), Sti Latanka, China, Malaysia, Indonesia, Philippines, Japan, China, Malaysia, Singapore, Korea (1860) 1858  India (Negaland), Sti Latanka, China, Malaysia, Indonesia, Philippines, Japan, Maranania, Tamil Nadu)  Saniphines, State (1860) 1858  India (Negaland), Sti Latanka, China, Malaysia, Indonesia, Philippines, Japan, Maranania, Tamil Nadu)  Saniphines, Saniphines, 1823  India (wastiern and southern India), Sri Lanka, Indonesia, Singapore (Wiss, Aminine)  India (wastiern and southern India), Sri Lanka, Indonesia, Singapore (Wiss, Aminine)				Philippines, Australia	SGNP	Æ
dia rectable (Walker, 1863) India (Puerla Malaya), Maranashar, Tamih kada), Sri Lanka, Napai, China, Malaya, Maranashar, Tamih kada), Sri Lanka, Napai, China, Malaya, Maranashar, Tamih kada), Sri Lanka, Maranashar, Tamih kada), Sri Lanka, Maranashar, Tamih kada), Sri Lanka, Maranashar, Sobra Poore, 1989 India, Sri Lanka, China, Maranar, China, Myanmar, Ghua, Myanmar, Myanmar, Myanmar, Ghua, Myanmar, Ghua, Myanmar, Ghua, Myanmar, Ghua, Myanmar, Ghua, Myanmar, Ghua, Myanmar, My		365.		India (northern India, Uttarakhand), China, Myanmar, Indonesia,	0,000	L
in concessed, Malaysia (Borney, Nav. Malaysia) (Borney, 1989) (Borney, 1		366.		mataysia (Borneo), Singapore, Austrana India (Punjab, Maharashtra, Tamii Naotu), Sri Lanka, Nepal, China, Malaya,	SGNP	Ë I
The standing supported Hambor, 1986  India, Soil Larke, Indonesia, Australia SONP, MCK, WORNS, MCK, MCK, MCK, MCK, MCK, MCK, MCK, MCK				indonesia, malaysia (borneo), new duinea, Australia		
sopera comparans (videra 1885) india, Sti Lanka, Nepal, China, Myanmar, China, China, Myanmar, China, China, Myanmar, China,		367.		Sri Lanka, Indonesia, Malaysia (Borneo).	KWS	œ Z
ded gear febricus, 1787) India (Fullandard). Sin Larka, Orlina, Mannar, China, Mannar, India (Fullanda Solly MS, BWS) India (Fullandard, Adaman & Nicobar Is.), Sin Larka, China, Myannar, India (Fullandard), Adaman & Nicobar Is.), Sin Larka, China, Myannar, India (Untarakhard), Pakistan, Sin Larka, China, Myannar, Thalland, Mid. Sin Larka, China, India (Untarakhard), Pakistan, Sin Larka, China, Myannar, Thalland, Vietnam, India (Untarakhard), Pakistan, Sin Larka, China, Myannar, Thalland, Vietnam, India (Untarakhard), Pakistan, Sin Larka, China, Malaysia, Ghoreo)  Robert Sin Myannar, Thalland, Mid. Amanar, Thalland, Vietnam, Mid. Sin Larka, China, Malaysia, Ghoreo)  Robert Sin Myannar, Thalland, Vietnam, Mid. Sin Larka, China, Malaysia, Indonesia, Philippines, Japan, Mid. Sin Larka, China, Indonesia, Mid. Sin Larka, China, Indonesia, Philippines, Japan, Australia  India (Sikkim, Qujarat, Maharashtra, Goo, Kamataka, Tamii Nadu)  Sin Doo  India (western and southern India), Sri Larka, Indonesia, Singapore Singapore (Sin P. KWS), Am Mindia (western and southern India), Sri Larka, Indonesia, Singapore (Sin P. KWS), Am Mindia (western and southern India), Sri Larka, Indonesia, Singapore (Sin P. KWS), Am Mindia)		368.		India, Sri Lanka, Nepal, China, Thailand, Malaysia, Indonesia, Australia	SGNP, MG, KWS	1 }
Indonesia, Singapore India, Siltaabore 1822 India, Siltaakhandi, Indonesia, Politia, Siltaakhandi, Indonesia, Politia, Siltaakhandi, Indonesia, Politia, Siltanka, Bangladesh, Japan, China KWIS Moriera squammijara Guenée, 1822 India (Uttarakhandi, Pakistian Sri Lanka, Bangladesh, Japan, China KWIS, AM India (Wagalandi), Sri Lanka, China, Malaysia, Singapore, Korea India (Nephricia), Politian, Malaysia, Singapore, Korea India (Nephricia), Sri Lanka, China, Malaysia, Indonesia, Philippines, Japan, MG, SGNP, KWIS Australia India (Sri Lanka, China, Indonesia, Philippines, Japan, MG, SGNP, KWIS Australia India (Silkim, Gajarah, Maharashtra, Goa, Kamalaka, Tamii Nadu), Solyiphines, Salah, India (wastern and southern India), Sri Lanka, Indonesia, Singapore Soniphinina suparba Hübner, 1823 India (wastern and southern India), Sri Lanka, Indonesia, Singapore Soniphina (wastern and southern India), Sri Lanka, Indonesia, Singapore Soniphina (wastern and southern India), Sri Lanka, Indonesia, Singapore Soniphina (wastern and southern India), Sri Lanka, Indonesia, Singapore (KWIS, AM)		369.		India (Punjab, Kerala, Uttarakhand), Sri Lanka, Myanmar, China, Thailand India (Hitarakhand Andaman & Nicoharts.) Sri Lanka. China Myanmar	SGNP, MG, BWS	# H
la devillatribodides Poole, 1989 India, Sri Lanka, China  India (Uttanakhand), Indo-Australian Tropics, China  India (Uttanakhand), India (Uttanakhand), India (Uttanakhand), India (Uttanakhand), India (Uttanakhand), India (NE. Himaiaya), Indonesia and Malaysia, (Boneo)  India (NE. Himaiaya), Indonesia, Indonesia, Philippines, Japan, India (Nagaland), Sri Lanka, China, Malaysia, Indonesia, Philippines, Japan, India (Sikim, Gujarat, Maharasthra, Goa, Kamataka, Tamii Nadu)  SGNP  MG, KWS  Australia  India (Sikim, Gujarat, Maharasthra, Goa, Kamataka, Tamii Nadu)  SGNP  India (Sikim, Gujarat, Maharasthra, Goa, Kamataka, Tamii Nadu)  SGNP  Naminea  India (wastern and southern India), Sri Lanka, Indonesia, Singapore  KWS, AM  KWS, AM  RWS, RWS, AM  RWS, RWS, AM  RWS, RWS, AM  RWS, RWS, RWS, AM  RWS, RWS, RWS, RWS, RWS, RWS, RWS, AM  RWS, RWS, RWS, RWS, RWS, RWS, RWS, RWS,		5		Indonesia, Singapore	3	-
lai feuiliari bocosatix Guenée, 1882 India (Utarakhand), Indo-Australian Tropics, China  Jaliani gloosatix Guenée, 1882 India (Utarakhand), Indo-Australian Tropics, China  Jaliani gloosatix Guenée, 1882  Jaliani (Utarakhand), Indo-Mastralian Tropics, China  Janahani (India (Utarakhand), Indonesia and Malaysia, Borqayora Koraa  Janahani (India (Utarakhand), Indonesia and Malaysia, Indonesia, Philippines, Japan,  Janahani (India (Negaland), Shi Lanka, China, Malaysia, Indonesia, Philippines, Japan,  Australia  Janahani (India (Sikim, Gujarat, Maharashtra, Goa, Kamataka, Tamii Nadu)  SGNP  MG AM  SGNP  Janahani (Sikim, Gujarat, Maharashtra, Goa, Kamataka, Tamii Nadu)  SGNP  Janahani (Sikim, Gujarat, Maharashtra, Goa, Kamataka, Tamii Nadu)  Janahani (Sikim, Gujarat, Maharashtra, Maharashtra, Goa, Kamataka, Tamii Nadu)  Janahani (Sikim, Gujarat, Maharashtra, Goa, Kamataka, Tamii Nadu)  Janahani (Sikim, Gujarat, Maharashtra, Goa, Kamataka, Tamii Nadu)  Janahani (Sikim, Gujarat, Maharashtra, Maharashtra, Goa, Kamataka, Tamii Nadu)  Janahani (Sikim, Gujarat, Maharashtra, Maharas		(xxvl) E	utellidae			
Ile fairle illeanodes Youe 1899 India, St Lanka, Chona MCNS  India (Utarachand), Pakistan, St Lanka, Bangladesh, Japan, China  India (N.E. Himaiya), Indonesia and Malaysia (Borneo)  India (N.E. Himaiya), Indonesia and Malaysia, Indonesia, Philippines, Japan,  MG, SGNP, KWS  Australia  India, Sh Lanka, China, Indonesia  India, Sh Lanka, China, Indonesia, Falini Nadu)  SoniP  SoniP  India (western and southern India), Sri Lanka, Indonesia, Singapore  SoniP, MD, SoniP  India (western and southern India), Sri Lanka, Indonesia, Singapore  KWIS, AM  KWIS, AM		Eute	illinae			
nate cyclera squarmrigera Guenée, 1852 (nicia (Utarakhand), Pakistan, Sri Lanka, Bangiadesh, Japan, China (KWS, AM (Chulung) and China (China Bangiadesh, Japan, China (Malaysia, Singapore, Kobana), Sri Lanka, China, Malaysia, Indonesia and Malaysia, Bringpore, Magalandi), Sri Lanka, China, Indonesia, Philippines, Japan, Mag, SGNP, KWS (Masquardi Rebnotius, 1783) (India (Nagalandi), Sri Lanka, China, Indonesia, Philippines, Japan, Mag, SGNP, KWS (Masquardi Rebnotius, 1783) (India (Sikkim, Glajarat, Maharashta, Goa, Kamataka, Tamii Nadu) (SGNP) (SGNP) (Mare, Carahin (Mag, Statu)) (India (wastern and southern India), Sri Lanka, Indonesia, Singapore (SGNP) (MS, SMP) (MS,		371.	Eutelia favillatrixoides Poole, 1989 Penicillaria jocosatrix Guenée, 1852	India, Sri Lanka, China India (Uttarakhand), Indo-Australian Tropics, China	KWS	, H
ropters squarmilgens Guenée, 1982 India Uitankhand, Barsian Shi Laukan, China India Uitankhand, Barsian Shi Lauka, Cambodia, Jaban, China Indonesia, Philipphes, Malaysia, Shigapore, Korea India (N.E. Himalaya), Indonesia and Malaysia, Borgapore, Korea India (N.E. Himalaya), Shi Lanka, China, Malaysia, Indonesia, Philippines, Japan, Australia India, Shi Lanka, China, Malaysia, Indonesia, Philippines, Japan, India, Shi Lanka, China, Maharashtra, Goa, Kamelaka, Tamii Nadu) SGNP India (Sikim, Gujarat, Maharashtra, Goa, Kamelaka, Tamii Nadu) SGNP India (Sikim, Gujarat, Maharashtra, Goa, Kamelaka, Tamii Nadu) SGNP India (Sikim, Gujarat, Maharashtra, Goa, Kamelaka, Tamii Nadu) SGNP India (Western and southern India), Sri Lanka, Indonesia, Singapore KWS, AM		Stict	opterinae			
poptera squarmrilinea Holloway, 1983 india (N.E. Himaiaya), Indonesia and Malaysia (Borneo) MG, KWS  per cettis Moore, [1860] 1959 India (Nagaland), Sri Lanka, China, Malaysia, Indonesia, Philippines, Japan, MG, SGNP, KWS  Avastralia India, Sri Lanka, China, Indonesia India, Sri Lanka, China, Indonesia India, Sri Lanka, China, Indonesia India, Sri Lanka, China, Indonesia, Tamii Nadu) SGN/P India, Caralini DD DD DD DD India, Caralini SGN P SGNP India (western and southern India), Sri Lanka, Indonesia, Singapore KWS, AM KWS, AM		373.	Lophoptera squammigera Guenée, 1852	India (Uttarakhand), Pakistan,Sri Lanka, Bangiadesh, Japan, China (Induding Hong Kong), Talkan, Cambodia, Laos, Myarmar, Thaliand, Vietnam, Indonesia, Philinoines, Malaysia, Sincanora, Koraa	KWS, AM	뿐
NG SGNP, KWS  Australia  ortnae, Chloephorint  rord, SNF Lanka, China, Malaysia, Indonesia, Philippines, Japan, MG, AM  rord angular (Fabriolus, 1733)  rindia, SNF Lanka, China, Indonesia  rord angular (Fabriolus, 1733)  rindia, SNF Lanka, China, Indonesia  rord angular (Fabriolus, 1733)  rindia, SNF Lanka, China, Indonesia  rord angular (Fabriolus, 1733)  rindia (Western and southern India), Snf Lanka, Indonesia, Singapore  SGNP  RMIS, AM  KMIS, AM  KMIS, AM  KMIS, AM  RMIS, AM  R		374. (xxvii) Nr Nolir	Lophoptera squammilinea Holloway, 1983 Jidae nee	India (N.E. Himalaya), Indonesia and Malaysia (Borneo)	MG, KWS	끮
pybortnae, Chloephorini India, Sri Lariva, China, Indonesia Carea angulari (Patrichus, 1793) India, Sri Lariva, China, Indonesia Carea angulari (Patrichus, 1793) India (Sikkim, Gujarat, Maharatshtra, Goa, Kamataka, Tamii Nadu) SGNP Shortnae, Careini Ob Do Assocratoria Sapportae, Careini Ob Carea angularia (wastern and southern India), Sri Lariva, Indonesia, Singapore SGNP, MCS BWS, Westernannia superhar Hibner, 1823 India (wastern and southern India), Sri Lariva, Indonesia, Singapore SGNP, MCS, AM KWS, AM		375.	Selepa celtis Moore, [1860] 1858	India (Nagaland), Sri Lanka, China, Malaysia, Indonesia, Philippines, Japan, Australia	MG, SGNP, KWS	R
Cated angular (Pachicus, 1783) India, Sri Lanka, China, Indonesia McAM Amandaria (Pachicus, 1783) India (Sikkim, Gujarat, Maharashtra, Goa, Karnalaka, Tamil Nadu) SGNP Shorhinae, Caraini Amorhinae, Caraini Amorhinae, Caraini Amorhinae, Caraini Madu) SGNP Son DD Shorhinae, Caraini Madu) SGNP SGNP DD Son Shorhinae, Caraini Madu) SGNP SGNP Marketimanniae superina Hibheri, 1823 India (wastern and southern India), Sri Lanka, Indonesia, Singapore SGNP, MCB BWS, Wasternannia superina Hibheri, 1823 India (wastern and southern India), Sri Lanka, Indonesia, Singapore McWS, AM MWS, AM		Chlo				
photinae Caein  DD  SGNP  SGNP  SGNP  SGNP  Westermanniae suporte Hibbrer, 1823 India (wastern and southern India), Sri Lanka, Indonesia, Singapore SGNP, MCB BWS, William (wastern and southern India), Sri Lanka, Indonesia, Singapore KWS, AM KWS, AM		376.		India, Sri Lanka, China, Indonesia India (Sikkim Quiarat Maharashtra Goa Kamataka Tamil Nadu)	MG, AM	I II
DD SGNP India (western and southern India), Sri Lanka, Indonesia, Singapore SGNP, MG, BWS, KWS, AM		Chlo		mare (character or and an arrange and transfer or a state of the state	5	i
India (western and southern India), Sri Lanka, Indonesia, Singapore SGNP, MG, BWS, AM KWS, AM		378.	Xenochroa sp.	OO	SGNP	DD
India (western and southern India), Sri Lanka, Indonesia, Singapore SGNP, MG, BWS, KWS, AM		Wes	termanniinae			
		379.	Westermannia superba Hübner, 1823	India (western and southern India), Sri Lanka, Indonesia, Singapore	SGNP, MG, BWS, KWS, AM	

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

3u), Sri Lanka an Australia, Africa. Thes Japen Australia, New Zealand, New Guinea the Pacific Ocean, North and South America; pan, Australia, Prij, Indo-Australian tropics to to South-cast Asia, Australia and New Zealand resis a, Myarman, Korea, Japan, Australia, Central and at, Myarman, China, Japan, Ryukyu Is., Singapore, or prij in and, Philippines and Malaysia (Borneo) Sonreo) Sonreo Si Lank readest, Punjab, Mahareshfra, Kamataka, t-Assam) Nepal, China, Myarmar residal Pradest, Punjab, Mahareshfra, Kamataka, t-Assam) Nepal, China, Myarmar tropics	Š.	Таха		Distribution	Collection Sites	Range Notes
Walker, 1856)  DD  DD  DD  DD  DD  DD  DD  DD  DD		Riso	binae			
Pabridue, 1779) India, China, Indonesia, Japan, Australia, Africa India, Malaysia, Indonesia, Japan, Australia, Africa India, Malaysia, Indonesia, China, Japan Australia, New Zaaland, New Guinea and relighbouring slambs in the Peofile Ocean, North and South America; Framen, Uganda India, Malaysia, India, Japan Australia, Fiji, Indo-Australian tropics to China, Indonesia, Korea, Japan, Australia Fiji, Indo-Australian tropics to China, Nepal, Pakistan, China, Myammar, Korea, Japan, Australia, Central and Malker, 1865 India, Nepal, Pakistan, China, Myammar, China, Japan, Australia, Central and Jana, Nepal, Pakistan, China, Myammar, China, Japan, Australia, Central and Jana, Nepal, Pakistan, China, Myammar, China, Japan, Pyukyu Is., Singapore, India, Nepal, Jana, Sindia, Jana, Ja		380.		India (North India, Tamil Nadu), Sri Lanka	MG, AM	RE
Pop DD DD Treat, Indonesia, Japan, Australia, Africa Indonesia, Japan, Australia, Africa Indonesia, Japan, Australia, Africa Indonesia, Japan, Australia, Africa Indonesia, Indo		381.		QQ	SGNP	00
Pabricius, 1775) India, China, Indonesia, Japan, Australia, Africa. India, China, Indonesia, Japan, Australia, Africa. India, Maleyae, Indonesia, Japan, Australia, New Zasland, New Cainea and India, Maleyae, Indonesia, Korea, Japan Australia, New Zasland, Neman, Vigenen, Marcha 10 South Annexia. India, China, Indonesia, Korea, Japan, Australia Fiji, Indo-Australian tropics to New Zasland Annexia, Japan, Australia Fiji, Indo-Australian tropics to New Zasland Annexia, Japan, Australia and New Zasland DD India, Orlina, Myarmar, Indonesia India, Nepal, Pakistan, China, Myarmar, Korea, Japan, Australia, Central and South Africa and Maley India, Orlina, South Europe Africa, Marrina, Korea, Japan, Australia, Toda, South Europe Africa, Myarmar, China, Japan, Pyukyu Is., Singapore, India, Nepal, Australia, Vigentia, China, Japan, Pyukyu Is., Singapore, Indo-Australian tropics east to Fiji India, China, Philippines DD India, Indonesia, Malayiai (Borneo) India, India (Cantral India, Assam) Nepal, China, Myanmar India, Statumi, Hindia, India, Assam) Nepal, China, Myanmar		382.		QQ	MG	1
Patriclus, 1779 India, China, Indonesia, Japan, Australia, Africa.  (Patriclus, 1777) India, China, Indonesia, Japan, Australia, Africa.  India, Malayasia, Indonesia, China, Japan, Australia, Now Zealand, New Gulnea and neghbouring islands in the Pacific Ocean, North and South America;  Yernan, Uganda.  Yernan, Walanan, Tanii Nadu, Sir Lanka.  Yernan, Walanan, Tanii Nadu, Asaami) Nepal, China, Myanmar  Yernan, Walanan, Tanii Nadu, Asaami) Nepal, China, Myanmar  Yernan, Walanan, Tanii Nadu, Asaami) Nepal, China, Myanmar  Yernan, Manaban, Tanii Nadu, Asaami) Nepal, China, Myanmar  Yernan, Walanan, Tanii Nadu, Asaami) Nepal, China, Myanmar		Colle				
rindia, China, Indonesia, Japan, Australia, Africa.  India, China, Indonesia, Japan, Australia, Africa.  India, Malaysia, Indonesia, Japan, Australia, Africa.  India, Malaysia, Indonesia, Indonesia, Perioria Cocenn, North and South America;  Yemen, Ugano, China, Indonesia, Korea, Japan, Australia, Fli, Indo-Australian tropics to  New Zealand and Rapa is and Africa to South-east Asia, Australia and New Zealand  Do China, Indonesia, Andrea to South-east Asia, Australia and New Zealand  Do India, Nepta Pakistan, China, Myammar, Korea, Japan, Australia, Central and South Africa to South-east Asia, Australia, Vantuatu Indonesia, Australia, Indonesia, Australia, Indonesia, Australia, Indonesia, Malaysia (Borneo)  Do India, Indonesia, Malaysia (Borneo)  India, Indonesia, Malaysia, Remon), Si Lanka, India (toorital Inda, Sikini), Si Lanka, Malaysia, Malaysia, (Borneo)  India, Indonesia, Malaysia, India (toorital Inda, Sikini), Si Lanka, Malaysia, Malaysia, Malaysia, India (toorital Inda, Sikini), Firoachia India (toorital Inda, Sikini), Si Lanka, Malaysia, India (toorital Inda, Sikini), Si Lanka, Malaysia, Malaysia, Malaysia, India (toorital Inda, Sikini), Problesia, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, 1955)  Althra (Coordia Inda, Sikini), Problesia, Problesh, Punjah, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, Malaysia, M		383.	Gadirha sp.	DD	BWS	ı
Chrysodekine ericonne (Chubided), 19439 intia, Malayela, Indonesia, April Assamin, Australia, New Zaeland, New Guinea and Repolation (China, Myeninea, Norea, Japan, Australia and South Anton Europe and Africa to South Parkstan, China, Myanmar, Korea, Japan, Australia and South Africa Southerne South Africa Southerne Rungham and Repolation (Repolation and Repolation and Repolatio		(XXXIII)	Observation of the Contains 1775	India Ohina Indonesia Israem Arrelesiin Africa	AND IONIO ANA	
Cenoplusia albostriata (Berner & Grey, 1853) Chira, Indonesia, Korea, Japan, Australia, Fiji, Indo-Australian tropics to New Zealand Africa to South-east Asia, Australia and New Zealand Andrea to South-east Asia, Australia and New Zealand Andrea to South-east Asia, Australia and New Zealand Coating Periods of Periods		385.		India, Control and Papers, August, Augusteria, New Zealand, New Guinea India, Mataysia, India, Japan Autralia, New Zealand, New Guinea and neighbruinn islands in the Parish Orean North and South America.	AM AM	1 1
Chrophosia albootinata (Berner & Gaey, 1832) Chris., Indonesia, Australia, Fili, Indo-Australian tropics to Thysopopusia and bootinate (Berner & Gaey, 1832) Chris., Indonesia, Australia, Fili, Indo-Australian tropics to Molitare  Molita						
Thysaropiusis ordchalcas (Fabricus, 1775) Southern Europe and Africa to South-oast Asia, Australia and New Zealand Melicurary Melicu		386.			KWS	1
Maidertina and Maider		387. Fust	Thysanoplusia orichalcea (Fabricius, 1775)	Southern Europe and Africa to South-east Asia, Australia and New Zealand	MG, KWS, AM	ı
Eustroita anaginata (Nalear, 1865) India, China, Whanmar, Indonesia and Contral and South Africa.  South Africa.  Partoda graelis (Felsthamel, 1837) India, China, South Europe, Africa, Mauritius, Adan Acrotia analysis (Felsthamel, 1837) India, China, South Europe, Africa, Mauritius, Adan Acrotia examina candida (Walker, 1865) India, Martina, China, Myanmar, China, Japan, Pyukyu Is., Singapore, India (Adamana, 1756) India, Shi Lanka, China, Myanmar, Philippines  Acrotia examina candida (Walker, 1854) India, Shi Lanka, China, Myanmar, Philippines  Acrotia examina (Malear, 1854) India, India, Indian, Shi Lanka, Shi Lanka, China, Malaysia (Borneo)  Belosiran bennoof Felder 1874  Do Do India, Indiane Acrotia examination (Malear, 1854) India, Indian, Shi Lanka, Malaysia (Borneo)  India, Indianea (Adamana, Japan, Philippines  India, Shi Lanka, China, Myanmar, Philippines  India, Shi Lanka, China, Myanmar, Philippines  India, Shi Lanka, China, Myanmar, Philippines  India, Indianea (Adamana, Indianea)  India, Shi Lanka, China, Myanmar, Philippines  India, Indianea (Adamana, Indianea)  India, Shi Lanka, China, Myanmar, Philippines  India, Indianea  India, Shi Lanka, Skishimi, Himashim (Adama)  India, Indianea, Indianea  India, Indianea  Indianea  India, Indianea  Indianea		388.		QQ	KWS, PWS	OO
Partonio graelis (Feisthamel, 1837) Partonio graelis (Feisthamel, 1858) Partonio graelis (Feisthamel, 1859) Partonio graelis (Feisthamel, 1854) Partonio graelis (Feisthamel, 1857) Partonio graelis (Feisthamel,		389.		India, China, Myanmar, Indonesia India, Nepai, Paktisan, China, Myanmar, Korea, Japan, Australia, Central and South Maries	PWS	1 (
Partodosi graelis (Festhame), 1887) india, Cihira, Souhi Europa, Afrita, Mauritius, Adan Arindodes Carasivera's Gueriee, 1882 Chasmina candide (Walkari, 1885) Chasmina candide (Walkari, 1885) Chasmina candide (Walkari, 1885) Chasmina secundosa Walkari, 1885 Aconidas de Carasivera (Characia, Principale) Chasmina secundosa Walkari, 1885 Aconidas de Carasivera (Characia, Characia, Principale (Characia, Characia, Malayaia) Characia (Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characia, Characia, Characia, Malayaia) Characia (Characia, Characia, Characi		Badi	sarinae			
Chasmina candide (Waker, 1885)  Chasmina candide (Waker, 1885)  Chasmina secondera: Activities, Name of the Chasmina secondera (Waker, 1885)  Chasmina secondera (Eahcides, 1775)  Character (Chasmina (Eahcides, 1776)  Character (Chasmina (Eahcides, 1874)  Character (Chasmina (Eahcides, 1874)  Character (Chasmina (Eahcides, 1884)  Character (Chasmina (Eahcides)  Character		391.		India, China, South Europe, Africa, Mauritius, Aden India (Andamon & Nicoberto), Mycamar China, Jana Burkon Le Singanon	SGNP, MG	1
Chasmina carolide (Weeker, 1865)  Chasmina fascolodas Walker, 1865)  Soft santa, China, Myanmar, Philippines  Soft santa, China, Myanmar, Philippines  Hinae, Aediter  Hinae, Aediter  Hinae, Aediter  Belchara hamoori Federa 1874  Dob  Dob  Dob  Maria santa hamoori Federa 1874  Dob  Dob  Dob  Dob  Maria santa hamoori Federa 1874  India, Indonesia, Malaysia (Borneo)  India, Indonesia, Malaysia (Borneo)  India, Indonesia, Malaysia (Borneo)  India, Indonesia, Malaysia (Borneo)  Helicoverpa assulfa (Quenée, 1852)  Old World (Including Pacific) tropics  Lithae  Old World (Including Pacific) tropics  Althae (Congo, South Arthsa)				Indonesia, Australia, Vanuatu	S CONTRACTOR OF THE CONTRACTOR	
Chasmina fasciculoza Walker, 1856 Shi Lanka, China, Philippines Hillas, Acontini Acontini accompliate (Enhicius, 1775) Do Acontini accompliate (Limacus, 1758) Acontini accompliate (Limacus, 1758) Acontini accompliate (Limacus, 1758) Acontini accompliate (Limacus, 1758) Bolishara haronol frager (Albania, Albania) Bolishara haronol frager (Malaya) (Borneo) Acontini accompliate (Malaya) (Borneo) Acontini accompliate (Malaya) (Borneo) Acontini Acontini Accompliate (Acontini According Accor		393.		Indo-Australian tropics east to Fiji	MG,KWS	1
Acontina Acoustina (Linnaeus, 1779) India, Johannea Canada (Linnaeus, 1779) India (Linnaeus, 1779) India (Linnaeus, 1758) DD Acada (Linnaeus, 1758) India (Linnaeus, 1754) India (Linnaeus, 1755) India (Linnaeus, 1755) India (Linnaeus, 1758) India (Linn		394.		Sri Lanka, China, Philippines	SGNP	Z.
Adodis sp.  Addis feucomelas (Limaeus, 1756)  Addis feucomelas (Limaeus, 1756)  DD  Addis feucomelas (Limaeus, 1756)  India (Tomhem India, Temin Nadu)  India, (Tomhem India, Temin Nadu)  India, (Tomhem India, Sikini, Sil Lanka  India, (Liman Mastari, Samil Nadu, Ferabeth, Punjab, Maharashta, Kamataka, India (Lamma & Kashini, Filmasona Pradeath, Punjab, Maharashta, Kamataka, Kerali (Limaeus)  Addis feucomelas (Limaeus, 1756)  India, India (Limaeus, 1756)  Old World (Imeluding Pacific) tropics  Old World (Imeluding Pacific) tropics  Altha (Congo, South Africa)		Acor	==	more, on Lanka, Online, myaninar, minppines	MG	
tilinae, Aedilini Aedia (Linnauus, 1758)  Aedia sp. Aedia sp. Aedia sp. DD Aedia sp		396.	Acontie sp.	QQ	SGNP	QQ
Aedia (kucomelas (Linnauus, 1758)  Aedia (kucomelas (Linnauus, 1758)  Aedia (kucomelas (Linnauus, 1758)  DD  DD  Trisula variegata (Moreo, 1658  India (northern india, Tamil Nadu)  Belotara information for Horsaina (Bornao)  India (Jamina, Malayaia (Bornao)  India (Jamina, Jamina)  India (Jamina, Jamina)  India (Jamina)  India (Jamina		Acoi	ntlinae, Aedlini			
Adola ep.  DD  Include and Malaysia (Borneo)  Include and Malaysia (Borneo)  Bedelara Benord: Fadelar (Famil Nadu)  Bedelara Benord: Fadelar (Borneo)  Bedelar (Borneo)  Bedelar (Borneo)  Fadelar (B		397.	Aedla feucometas (Linnaeus, 1758)	Europe and Indo-Pacific regions.	SGNP, MG, KWS, AM	ı
Final Variety ariegate Nooce, 1628  Belderan India (protherm india, Tamil Nadu)  Belderan Institute of the IRS4  Belderan India (1874  Belderan India (1874  India, Indonesia, Malaysia (80meo)  India, Indonesia, Malaysia (80meo)  India, Indonesia, Malaysia (80meo)  India (1874  India (1874)  Indi		398.		DD	KWS	DD
Tristiur Variegate Morce, 1868 Bodierar Harda, Tamin Madu), Sri Lanka Indonesia and Malaysia (Borneo)  Bondia eurychiora ( Walkor, 1858) India, Trina Nadu), Sri Lanka Indonesia, Malaysia (Borneo) India, Indonesia, Malaysia (Borneo) India, Cantria India, Sikkimi, Sri Lanka Episteme adulatrix (Kolar, 1844) India (Jamma & Kashmir, Himacha Practesh, Punjab, Maharashtra, Kamataka, Kerrala, Malabar, Tamin Madu, Assam) Napal, Chira, Myammar Helicoverpa assulta (Guenée, 1862) Old Wond (Including Pacific) tropics Condise conducte Walker, 1867 Africa (Congo, South Africa)		Pant	~			
Bedesiran Januach Folder 1'874 India (Tam'i Nadu), Sri Lanka, Indonesia and Malaysia (Borneo) Durdia europhora (Waley 1855) India, Indonesia, Malaysia (Borneo) Durdia europhora (Waley 1854) India, Indonesia, Malaysia (Borneo) Durdia (Januaria Agencean Dimacula Waley 1854) India (Januaria Kashini, Filmsoha Pradesh, Punjab, Maherashtra, Kametaka, Kerala, Malaberi, Tamii Nadu, Assam) Nepal, China, Myammar Helicoverpa assulta (Guenée, 1852) Old Wond (Induding Padric) tropics Old Wond (Induding Padric) tropics Altina (Congo, South Africa)		399.		India (northern India, Tamil Nadu)	MG	EN, RE
Donda eurychlora (Wakker, 1859) India, Indonesia, Malaysia (Borneo) Hodia (Central India, Sikkim), Soi Lanka Asposera birnacula Walker, 1854 India (Central India, Sikkim), Enistanka Indias Helicoverpa assulia (Guenée, 1852) Old World (Including Pacific) tropics Indiae Ond World (Including Pacific) tropics Africa (Congo, South Africa)		400.		India (Tamil Nadu), Sri Lanka, Indonesia and Malaysia (Borneo)	MG	出
istinae  Apacoran bimscula Walker, 1854 India (Jennina & Kashinit, Hinacha Pradesh, Punjab, Maharashira, Kamataka, Holas (Jennina & Kashinit, Hinacha Pradesh, Punjab, Maharashira, Kamataka, Helicoverpa assulita (Guenée, 1852) Old World (Including Pacific) tropics Odd World (Including Pacific) tropics Africa (Connica conducta Walker, 1857 Africa (Congo, South Africa)		401		India, Indonesia, Malaysia (Borneo)	MG	1
Aegodena bimacula Walker, 1854 india (Central Mas, Sikdim), St. Lanka Episteme addiatrix (Kollar, 1844) india Johannu & Kashimi, Himanah Pradesh, Punjab, Maharashtra, Kamataka, Ishinas  Old World (Including Pacific), tropics  Old World (Including Pacific) tropics  Africa (Congo, South Africa)		Agai				
repsente autorius (Noties), 1044) front (Jammin & Nasionis, Finadres Tradest, Pulga), Matariastra, Amraiara, Mannar Halicoverpa assulia (Guenée, 1862) Old World (Including Pacific) tropics  Old World (Including Pacific) tropics  Afficial (Congo, South Africa)		402		India (Central India, Sikkim), Sri Lanka	SGNP, MG	జ
652) Old World (moluding Pacific) tropics Africa (Congo, South Africa)		465		irona (Janjimu o nashimir, himachar Pradesh, Punjab, Manarashira, Namataka, Kerala, Malaber, Tamil Nadu, Assam) Nepal, China, Myanmar	MG,KWS	1
652) Old World (neluding Pacific) tropics Africa (Congo, South Africa)		Helic	othinae			
Africa (Congo, South Africa)		404.	Helicoverpa assulta (Guenée, 1852)	Old World (including Pacific) tropics	SGNP, KWS, AM	1
Africa (Congo, South Africa)		Con	dicinae			
		405.	Condica conducta Walker, 1857	Africa (Congo, South Africa)	KWS, AM	NA

Table 4: Status and Distribution of Moths Recorded from Northern-western Ghats

No.	Таха		Distribution	Collection Sites Range Notes	Range Notes
	406.	406. Condica illecta (Walker, 1865)	India, China, Japan, Australia, tropical Pacific	KWS, AM	
	Erio	Eriopinae			
	407.	407. Callopistria malliardi (Guenée, 1862)	India, Sri Lanka, Russia, China, Philippines Japan, Indo-Australia, Pacific tropics,	KWS	i
			Africa		
	408.	408. Callopistria callopistrioides (Moore, 1881)	India (N.E. Himalaya), Myanmar, Indonesia, Malaysia (Borneo), Philippines	SGNP, AM	జ
	Noc	Noctuinae, Caradrinini			
	409.	409. Athetis delecta (Moore, 1881)	India, Nepal, China	SGNP, MG	1
	410.	410. Athetis sp.	00	SGNP	QQ
	411.	411. Callyna monoleuca Walker, 1858	India, Sri Lanka, China, Myanmar, Indonesia, New Guinea	SGNP	,
	Noc	Noctuinae, Glottulini			
	412.	412. Polytela gloriosa Fabricius, 1781	India	KWS	EN
	Noc	Noctuinae, Prodenlini			
	413.	413. Spodoptera litura (Fabricius, 1775)	India (eastern India), China, Indo-Australian Pacific Tropics and Sub-tropics	SGNP, MG, KWS, AM	밅
	414.	414. Spodoptera mauritia (Boisduval, 1833)	China, Japan, Indo-Australlan and Pacific Tropics	PWS	,
	Noc	Noctuinae, Dypteriglini			
	415.	415. Trachea c.f. auriplena	00	KWS	OO
	Noc	Noctuinae			
	416.	416. Noctua c.f. orbona	00	SGNP	00
	417.	417. Xestia semiherbida (Walker, 1857)	India (North India), Taiwan	SGNP	끭
	418	418. Axvlis sp.	OG	BWS	00

## Abbreviations used in the text and table

AM = Amboit, BWS = Bhimashankar Wildiffe Sanchany, DD = data deficient, EN = Endemic to India; KWS = Koyna Wildiffe Sanchany, MB = Mahabeleshwar, MG = Malshej Ghait, AM = Matherian; NS = New record to india; PWS = Phansad Wildiffe Sanchany, RE = Range extension; SGMP = Sanjay Gandhi National Park, -: Nothing to mention

### DISCUSSION

After the Victorian era (Hampson 1892-1896; Dudgeon et al. 1897; Bell and Scott 1937), this study has now contributed to the work carried out in 1962 by Shull and Nadkerny, who recorded 180 species over four months in Dangs, Gujarat; Saha and Raychaudhuri (1998) recorded 31 species in a year long study in Jalpaiguri, West Bengal; Rose (2002) recorded 47 species in seven years from Cherrapunji, Meghalaya; Chandra (2007) recorded 142 species between 2001 and 2004 in Madhya Pradesh and Chhattisgarh, and most recently Smetacek (2008) published a list of 887 species from three locations in Uttarakhand compiled over 30 years. This indicates that moth studies have been progressing at a slow pace in our country, and lack of literature and expertise are the prime reasons. The current study, with a checklist of 419 species from Maharashtra, is the first extensive study on moths. More surveys will certainly result in adding to the numbers of species already known.

The moth fauna of Malshej Ghat, Amboli and Koyna wildlife sanctuaries have shown high endemism and many new records for India. Amboli and Koyna wildlife sanctuaries need more detailed sampling as these areas have been largely unexplored for moth studies. Extensive sampling at Sanjay Gandhi National Park resulted in a number of range

extensions for northern Western Ghats, it is therefore likely that intensified sampling effort may result in additional records and range extensions from the other sites.

As our objective was to prepare an inventory of moth species in the study area, the numbers arriving at the light trap were not recorded, and hence, no quantitative comparisons between study sites were conducted. Future studies can now include ecological studies on these species, life histories, habitat preferences, moth assemblage composition, especially of endemic species, to provide information relevant to habitat restoration and species conservation programmes.

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